



**RECLAMATION REPORT
(VOLUME 1 OF 4)
ROY SWD #3**

**NAB1801936658, NAB1834454137, NAPP2111045260, & NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

MAY 30, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by 'K. Finn' and a long horizontal flourish.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by 'Kierdorf' and a long horizontal flourish.

**William Kierdorf, REM
Project Manager**

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**RECLAMATION REPORT
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1.0 SITE LOCATION AND BACKGROUND

The Roy SWD #3 (Site) is located on private land, approximately 13.6 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit P, Section 7, T19S-R25E at GPS coordinates 32.67059, -104.51773. The site was operated by EOG Resources, Inc. (EOG) and historically consisted of a saltwater disposal well, a tank battery with an earthen containment berm, pump houses, and associated equipment. In April and May of 2022, plugging and abandonment of the on-site disposal well was completed. Additionally, the on-site tank battery and associated equipment has been taken out-of-service, decommissioned, and removed from the Site.

In the final years of operations at the Site, release incidents and the discovery of historic impacts associated with operations at the Site resulted in the remediation of four New Mexico Oil Conservation Division (NMOCD) incidents. The incidents (NMOCD IDs #NAB1801936658, NAB1834454137, NAPP2111046250, & NAPP2123047534) were completed in three remediation areas at the Site:

- **NMOCD Incident ID #nAPP2111046250:** Involved remedial operations in the southern portion of the Roy SWD #3 facility pad as well as off pad areas to the east and south of the former pad area.
- **NMOCD Incident ID #nAPP2123047534:** An incident associated with a release from an injection line adjacent to the former Roy SWD #3 wellhead. Involved remedial operations in the northern portion of the former facility pad.
- **NMOCD Incident ID#s nAB1801936658 & nAB1834454137:** Two incidents associated with releases in the former tank battery area. Due to shared impact areas the incidents were addressed in conjunction with one another and included the remediation of the area of the former tank battery.

EOG retained Ranger Environmental Services, LLC (Ranger) to assist in the assessment and remediation of the above incidents and associated impacts.

Due to the complex nature of the incidents/remediation areas, remediation operations at the Site were prolonged and were conducted from August 2021 to December 30, 2024. By January 2025, Site Remediation and Closure reports for each incident had been completed, submitted to the NMOCD, and had received NMOCD approval of remediation closure.

Due to the decommissioned status of the Site, and the fact that all remedial efforts had been completed, reclamation of the Site was warranted. As such, reclamation efforts to return the Site to pre-operation conditions have been completed. This report has been prepared to provide details of the completed reclamation efforts.

A *Topographic Map* and *Area Map* noting the location of the subject Site and surrounding areas are provided in the Figures section. Also included are a *Remediation Area Overview Map* which depicts the boundaries of the completed remedial efforts, and a *Reclamation Area Overview Map* which illustrates the boundaries of the completed reclamation activities.

2.0 SITE REMEDIATION

2.1 Closure Criteria

Based upon the site characterization details provided in prior reports submitted to the NMOCD, remedial operations at the Site were completed to the Table 1 19.15.29.12 NMAC (groundwater ≤50' feet) criteria (Table 1 Criteria) with the exception of an area in the immediate vicinity of the wellhead where elevated soil concentrations at depths greater than four feet below ground surface (bgs) were addressed under an NMOCD approved alternative strategy. All remediation activities at the Site were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The referenced NMAC 19.15.29 criteria are detailed below:

SITE CLOSURE CRITERIA¹

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ²	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details were included in various submittals for each subject incident.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.*

2.2 Impacted Soil Removal and Remediation Summary

Remedial operations at the Site were conducted from August 2021 to December 2024. Full details of the completed remedial efforts for the above-summarized incidents were provided in the NMOCD approved remediation and closure reports prepared for each incident. Complete copies of these reports are provided in Appendix D.

Throughout the course of the remedial operations at the site, field readings were continuously collected during the excavation process to guide the horizontal and vertical extents of the excavation areas and to qualitatively assess the cleanup progress. The field screening activities



conducted by Ranger included the usage of an organic vapor monitor (OVM) and field chloride titration kits. Upon reaching boundaries in an area which appeared to have attained the site closure criteria based upon the field screening results, cleanup confirmation soil samples were collected for laboratory analysis in accordance with the approved Remediation Plan and/or in accordance with NMAC 19.15.29.12 (D). Prior to each cleanup confirmation soil sampling event, appropriate notice was provided to the NMOCD in accordance with NMAC 19.15.29.12 (D). Copies of the notifications are provided in the attached remediation and closure reports prepared for each incident.

Numerous cleanup confirmation soil sampling events were ultimately conducted to verify the field readings and confirm whether or not the site closure criteria had been attained. In the event that the cleanup confirmation soil sampling results indicated that the site closure criteria had not been attained, then additional over-excavation and re-sampling of those areas was conducted.

All cleanup confirmation soil samples were collected and managed using standard QA/QC and chain-of-custody procedures. Ranger personnel wore new nitrile gloves while handling each sample in order to prevent cross-contamination of samples. The collected soil samples were containerized in sterile, laboratory-supplied containers and were subsequently sealed in one or more zip lock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date and time of sample collection, and samplers' initials. Chain-of-custody forms were completed to document sample transport to the analytical laboratory.

Upon collection, the soil samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. Copies of the laboratory analytical reports including chain-of-custody documentation are included in the attached site remediation and closure reports.

2.3 Final Excavation and Cleanup Confirmation Soil Sample Results

The final cleanup confirmation soil sample results for each incident area documented attainment of the NMOCD approved closure criteria and Reclamation Criteria in the surface to four-foot bgs depth interval. Figures illustrating the completed excavation boundaries and the locations of the final cleanup confirmation soil samples for each incident are included in the attached remediation and closure reports. These reports also contain comprehensive analytical summary tables which provide a summary of all laboratory analytical results for each incident. It should be noted that on these tables, any results presented with a "strikethrough" indicate that those sample areas were further over-excavated and resampled.

2.4 Waste Disposal

All soils generated during the remedial excavation activities were transported to disposal at either the Lea Land disposal facility in Eddy County, New Mexico or the Gandy Marley disposal facility located in Chavez County, New Mexico.



3.0 REMEDIATION DOCUMENTATION & NMOCD CLOSURE APPROVAL

3.1 nAPP2111046250 – Eastern Off Pad, Southern Off Pad, and Pit Areas

Full remediation details were provided in the *Site Remediation and Closure Report*, dated January 14, 2025. On January 23, 2025, the NMOCD approved of remediation closure for the incident.

3.2 nAPP2123047534 – Northern On-Pad Area

Full remediation details were provided in the *Site Remediation and Closure Report*, dated January 14, 2025. On January 24, 2025, the NMOCD approved of remediation closure for the incident.

3.3 nAB1801936658 & nAB1834454137 – Tank Battery Area

Full remediation details were provided in the *Site Remediation and Closure Report*, dated January 21, 2025. On January 23, 2025, the NMOCD approved of remediation closure for both incidents.

4.0 SITE RECLAMATION

As the subject Site is no longer needed for production operations, reclamation of the entirety of the former facility pad and remediation areas has been completed. Below is a summary of the completed activities:

4.1 Remediation Area Backfill

Upon confirmation that remediation excavation activities had attained the NMOCD approved closure criteria, backfill of the associated remediation area was completed. The backfill operations were completed to the natural grade of the surrounding area. The backfill was sourced from an adjacent location and was comprised of virgin material of similar lithology to that which was removed from the impacted areas.

On May 15, 2024, Ranger personnel collected samples of the material designated for use as backfill. A total of six five-part composite samples were collected from the area designated for backfill. Upon collection, the samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of TPH using EPA Method 8015; BTEX using EPA Method 8021; and, total chloride using EPA Method 300.

Upon review of the laboratory analytical results, all samples collected from the backfill source were documented to contain nondetectable BTEX, TPH and chloride concentrations. A copy of the laboratory analytical report and associated chain-of-custody documentation is attached.

During the backfill process, watering operations were continuously completed to reduce dust from the operations.

4.2 Former Pad Area and Access Road

During the course of the remedial operations at the Site, all berm material was removed from the Site and transported to disposal. A majority of the former facility pad material was also removed and transported to disposal. Upon completion of the Site remedial efforts, the remaining facility



pad and the non-native site access road base material were removed and transported off-site for disposal. As illustrated on the attached *Reclamation Area Overview Map*, reclamation of the access road was limited to the portion of the road south of the active caliche pit since the road also serves as access to the caliche pit.

4.3 Revegetation

In order to re-establish vegetation in the reclamation areas, the site was re-seeded in accordance with the Howell Ranch directed seed mixture and application rate. Seeding was completed during the week of April 21, 2025. The revegetation efforts will target a life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plan cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds.

4.4 Site Security

To secure the reclaimed areas from adverse vehicular and/or livestock activity, the entirety of the reclamation areas (access road, former pad, and remediation areas) will be surrounded by fencing until reaching the target vegetative cover. Erosion control berms do not appear necessary at the location and have not been installed. However, if at any point in time erosion control efforts appear warranted, they will be installed as necessary.

5.0 SITE MONITORING AND CLOSURE

To monitor the progress of the reclamation efforts, periodic site inspections will be conducted. The reclaimed areas will be evaluated for vegetation growth, site security measures, and erosional controls. If any issues are observed, additional actions will be implemented to appropriately address the issues.

When the target vegetation cover appears to have been achieved, a confirmation survey by a third-party consultant will be conducted to confirm that the area is in attainment of the target vegetative cover. Once confirmed that the target vegetative cover has been achieved, a revegetation report will be prepared and submitted in accordance with the criteria outlined in the State of New Mexico Energy, Minerals and Natural Resources Department document "*Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC)*" dated December 1, 2023.



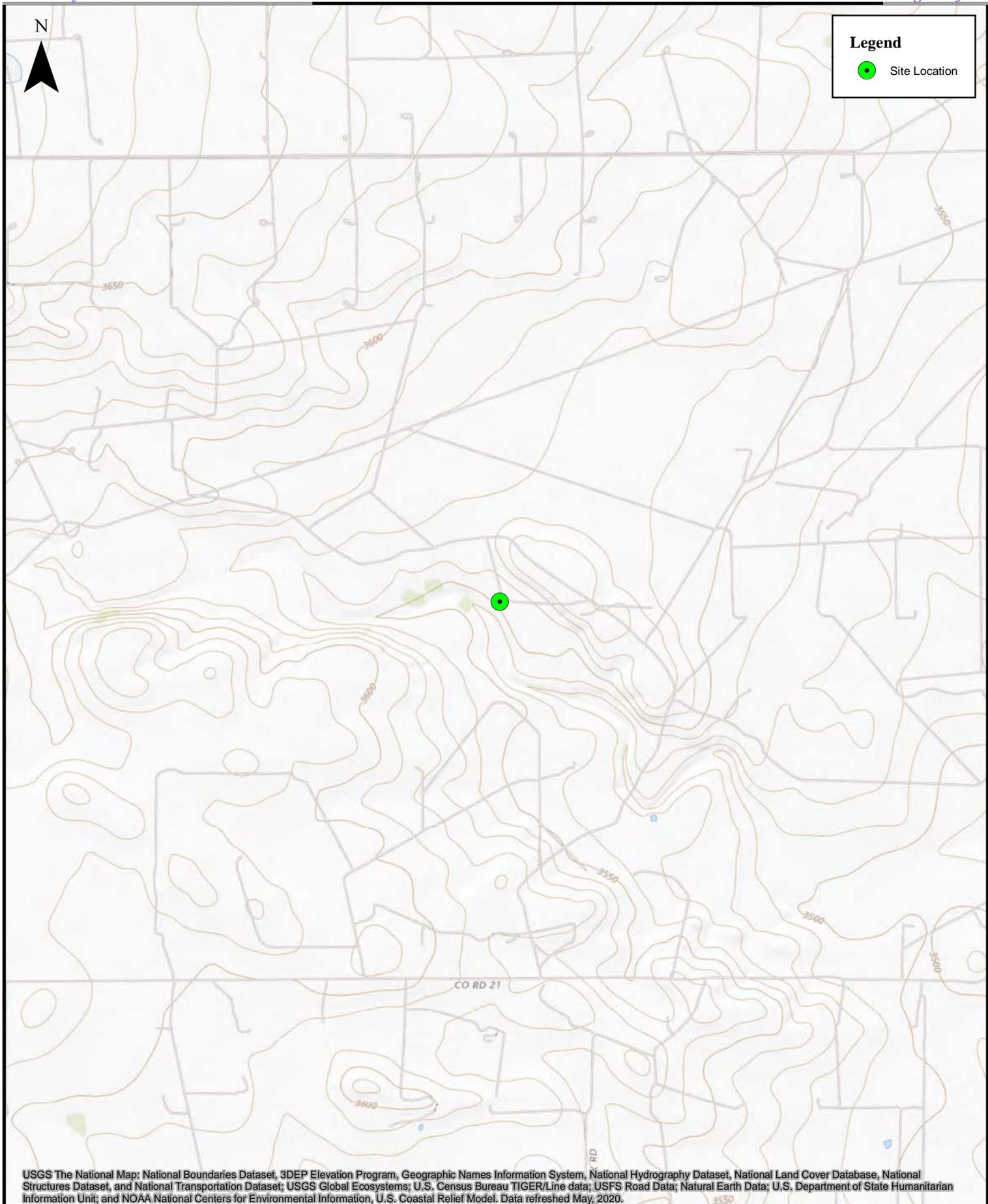
FIGURES

Topographic Map

Area Map

Remediation Area Overview Map

Reclamation Area Overview Map

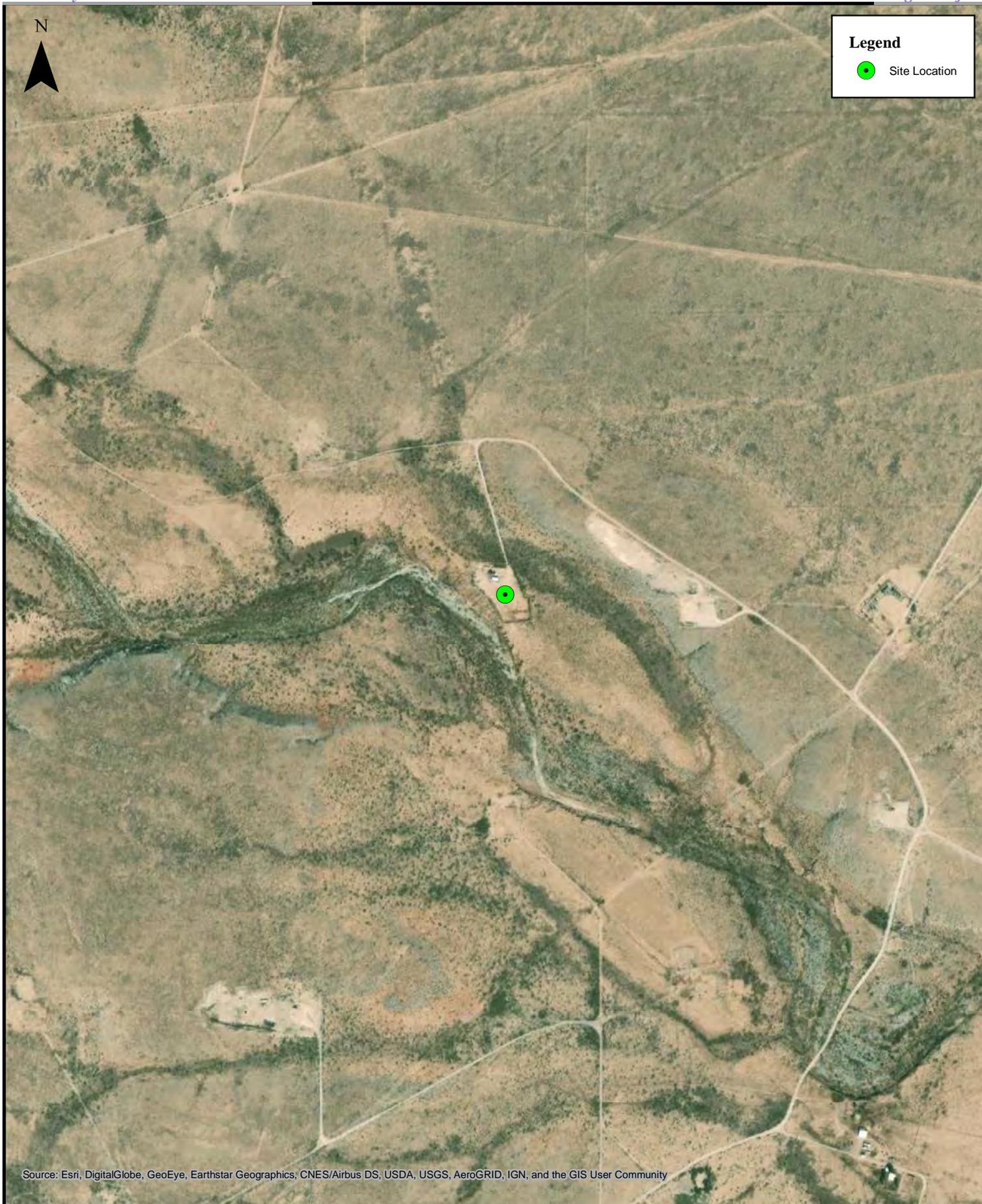


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.



1:24,000

Topographic Map
 Roy SWD #3
 EOG Resources, Inc.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



1:10,000

Area Map
Roy SWD #3
EOG Resources, Inc.



Legend

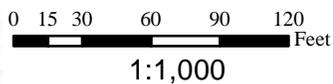
- Subject Impact/Remediation Area (nAPP2123047534)
- nAB1801936658 & nAB1834454137 Impact/Remediation Area
- nAPP2111046250 Remediation Area

nAB1801936658 & nAB1834454137 Remediation Area

nAPP2123047534 Remediation Area

nAPP2111046250 Remediation Area

NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



Remediation Area Overview Map
 Roy SWD #3
 EOG Resources, Inc.



Legend

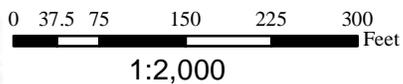
-  Access Road to Remain in Place
-  Reclaimed Area



CALICHE PIT

NOTES:

- 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 - 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 - 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
- Image Source: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Reclamation Area Overview Map

Roy SWD #3
EOG Resources, Inc.

APPENDIX A – PHOTOGRAPHIC DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the Tank Battery Area during the initial excavation activities in July, 2024. The view is towards the northwest.



PHOTOGRAPH NO. 2 – A view of the Tank Battery Area during the soil removal operations. The view is towards the northeast.



PHOTOGRAPH NO. 3 – A view of the Tank Battery Area upon completion. The view is towards the northeast.



PHOTOGRAPH NO. 4 – An additional view of the Tank Battery Area upon completion in 2024. The view is towards the southeast.



PHOTOGRAPH NO. 5 – A view of the former site access road from the northern extent of reclamation activities. The view is towards the south.



PHOTOGRAPH NO. 6 – A view of the former well/facility pad area. The view is towards the southwest.



PHOTOGRAPH NO. 7 – An additional view of the former well/facility pad area. The view is towards the north.



PHOTOGRAPH NO. 8 – An additional view of the former well/facility pad area. The view is towards the northwest.

APPENDIX B – BACKFILL SOURCE
LABORATORY ANALYTICAL RESULTS



Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

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JOB DESCRIPTION

Howell Top Soil Pit

JOB NUMBER

885-4695-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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5/28/2024 3:39:09 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Howell Top Soil Pit

Laboratory Job ID: 885-4695-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Howell Top Soil Pit

Job ID: 885-4695-1

Job ID: 885-4695-1

Eurofins Albuquerque

Job Narrative 885-4695-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/17/2024 8:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.0°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-1

Lab Sample ID: 885-4695-1

Date Collected: 05/15/24 14:00

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.4	mg/Kg		05/17/24 09:52	05/17/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/17/24 09:52	05/17/24 13:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		05/17/24 09:52	05/17/24 13:47	1
Ethylbenzene	ND		0.034	mg/Kg		05/17/24 09:52	05/17/24 13:47	1
Toluene	ND		0.034	mg/Kg		05/17/24 09:52	05/17/24 13:47	1
Xylenes, Total	ND		0.067	mg/Kg		05/17/24 09:52	05/17/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/17/24 09:52	05/17/24 13:47	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/17/24 11:40	05/17/24 15:15	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/17/24 11:40	05/17/24 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			05/17/24 11:40	05/17/24 15:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 15:01	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-2

Lab Sample ID: 885-4695-2

Date Collected: 05/15/24 14:10

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.5	mg/Kg		05/17/24 09:52	05/17/24 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/17/24 09:52	05/17/24 14:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		05/17/24 09:52	05/17/24 14:57	1
Ethylbenzene	ND		0.035	mg/Kg		05/17/24 09:52	05/17/24 14:57	1
Toluene	ND		0.035	mg/Kg		05/17/24 09:52	05/17/24 14:57	1
Xylenes, Total	ND		0.069	mg/Kg		05/17/24 09:52	05/17/24 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/17/24 09:52	05/17/24 14:57	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/17/24 11:40	05/17/24 15:25	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/17/24 11:40	05/17/24 15:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			05/17/24 11:40	05/17/24 15:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 15:38	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-3

Lab Sample ID: 885-4695-3

Date Collected: 05/15/24 14:16

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.3	mg/Kg		05/17/24 09:52	05/17/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/17/24 09:52	05/17/24 16:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016	mg/Kg		05/17/24 09:52	05/17/24 16:07	1
Ethylbenzene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 16:07	1
Toluene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 16:07	1
Xylenes, Total	ND		0.066	mg/Kg		05/17/24 09:52	05/17/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/17/24 09:52	05/17/24 16:07	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		05/17/24 11:40	05/17/24 15:36	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/17/24 11:40	05/17/24 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			05/17/24 11:40	05/17/24 15:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 15:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-4

Lab Sample ID: 885-4695-4

Date Collected: 05/15/24 14:18

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.4	mg/Kg		05/17/24 09:52	05/17/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/17/24 09:52	05/17/24 16:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		05/17/24 09:52	05/17/24 16:30	1
Ethylbenzene	ND		0.034	mg/Kg		05/17/24 09:52	05/17/24 16:30	1
Toluene	ND		0.034	mg/Kg		05/17/24 09:52	05/17/24 16:30	1
Xylenes, Total	ND		0.069	mg/Kg		05/17/24 09:52	05/17/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/17/24 09:52	05/17/24 16:30	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/17/24 11:40	05/17/24 15:47	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/17/24 11:40	05/17/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			05/17/24 11:40	05/17/24 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 16:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-5

Lab Sample ID: 885-4695-5

Date Collected: 05/15/24 14:20

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.3	mg/Kg		05/17/24 09:52	05/17/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/17/24 09:52	05/17/24 16:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		05/17/24 09:52	05/17/24 16:54	1
Ethylbenzene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 16:54	1
Toluene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 16:54	1
Xylenes, Total	ND		0.067	mg/Kg		05/17/24 09:52	05/17/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/17/24 09:52	05/17/24 16:54	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/17/24 11:40	05/17/24 15:58	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/17/24 11:40	05/17/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			05/17/24 11:40	05/17/24 15:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 16:15	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-6

Lab Sample ID: 885-4695-6

Date Collected: 05/15/24 14:24

Matrix: Solid

Date Received: 05/17/24 08:16

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		3.3	mg/Kg		05/17/24 09:52	05/17/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/17/24 09:52	05/17/24 17:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		05/17/24 09:52	05/17/24 17:17	1
Ethylbenzene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 17:17	1
Toluene	ND		0.033	mg/Kg		05/17/24 09:52	05/17/24 17:17	1
Xylenes, Total	ND		0.067	mg/Kg		05/17/24 09:52	05/17/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/17/24 09:52	05/17/24 17:17	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		05/17/24 11:40	05/17/24 16:09	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/17/24 11:40	05/17/24 16:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			05/17/24 11:40	05/17/24 16:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/17/24 15:02	05/19/24 16:27	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-5175/1-A
 Matrix: Solid
 Analysis Batch: 5337

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics [C6 - C10]	ND		5.0	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/17/24 09:52	05/17/24 11:25	1

Lab Sample ID: LCS 885-5175/2-A
 Matrix: Solid
 Analysis Batch: 5337

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	25.0	23.5		mg/Kg		94	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	192	S1+	35 - 166				

Lab Sample ID: 885-4695-1 MS
 Matrix: Solid
 Analysis Batch: 5337

Client Sample ID: SS-1
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics [C6 - C10]	ND		16.9	16.0		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	192	S1+	35 - 166						

Lab Sample ID: 885-4695-1 MSD
 Matrix: Solid
 Analysis Batch: 5337

Client Sample ID: SS-1
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics [C6 - C10]	ND		16.9	15.9		mg/Kg		94	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	191	S1+	35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-5175/1-A
 Matrix: Solid
 Analysis Batch: 5338

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Ethylbenzene	ND		0.050	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Toluene	ND		0.050	mg/Kg		05/17/24 09:52	05/17/24 11:25	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-5175/1-A

Matrix: Solid

Analysis Batch: 5338

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 5175

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		05/17/24 09:52	05/17/24 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145	05/17/24 09:52	05/17/24 11:25	1

Lab Sample ID: LCS 885-5175/3-A

Matrix: Solid

Analysis Batch: 5338

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 5175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.840		mg/Kg		84	70 - 130
Ethylbenzene	1.00	0.840		mg/Kg		84	70 - 130
m,p-Xylene	2.00	1.71		mg/Kg		85	70 - 130
o-Xylene	1.00	0.838		mg/Kg		84	70 - 130
Toluene	1.00	0.815		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		48 - 145

Lab Sample ID: 885-4695-2 MS

Matrix: Solid

Analysis Batch: 5338

Client Sample ID: SS-2

Prep Type: Total/NA

Prep Batch: 5175

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.692	0.592		mg/Kg		86	70 - 130
Ethylbenzene	ND		0.692	0.589		mg/Kg		85	70 - 130
m,p-Xylene	ND		1.38	1.18		mg/Kg		84	70 - 130
o-Xylene	ND		0.692	0.579		mg/Kg		84	70 - 130
Toluene	ND		0.692	0.573		mg/Kg		83	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: 885-4695-2 MSD

Matrix: Solid

Analysis Batch: 5338

Client Sample ID: SS-2

Prep Type: Total/NA

Prep Batch: 5175

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.692	0.560		mg/Kg		81	70 - 130	6	20
Ethylbenzene	ND		0.692	0.559		mg/Kg		81	70 - 130	5	20
m,p-Xylene	ND		1.38	1.14		mg/Kg		81	70 - 130	4	20
o-Xylene	ND		0.692	0.554		mg/Kg		80	70 - 130	4	20
Toluene	ND		0.692	0.542		mg/Kg		78	70 - 130	6	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-5184/1-A
 Matrix: Solid
 Analysis Batch: 5200

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5184

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/17/24 11:40	05/17/24 14:10	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/17/24 11:40	05/17/24 14:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134	05/17/24 11:40	05/17/24 14:10	1

Lab Sample ID: LCS 885-5184/2-A
 Matrix: Solid
 Analysis Batch: 5200

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5184

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.9		mg/Kg		98	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	103		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-4695-1 MS
 Matrix: Solid
 Analysis Batch: 5233

Client Sample ID: SS-1
 Prep Type: Total/NA
 Prep Batch: 5203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		29.8	ND		mg/Kg		NC	50 - 150

Lab Sample ID: 885-4695-1 MSD
 Matrix: Solid
 Analysis Batch: 5233

Client Sample ID: SS-1
 Prep Type: Total/NA
 Prep Batch: 5203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	ND		30.1	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: MB 885-5233/4
 Matrix: Solid
 Analysis Batch: 5233

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			05/19/24 07:49	1

Lab Sample ID: MRL 885-5233/3
 Matrix: Solid
 Analysis Batch: 5233

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.540		mg/L		108	50 - 150

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

GC VOA

Prep Batch: 5175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	5035	
885-4695-2	SS-2	Total/NA	Solid	5035	
885-4695-3	SS-3	Total/NA	Solid	5035	
885-4695-4	SS-4	Total/NA	Solid	5035	
885-4695-5	SS-5	Total/NA	Solid	5035	
885-4695-6	SS-6	Total/NA	Solid	5035	
MB 885-5175/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-5175/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-5175/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-4695-1 MS	SS-1	Total/NA	Solid	5035	
885-4695-1 MSD	SS-1	Total/NA	Solid	5035	
885-4695-2 MS	SS-2	Total/NA	Solid	5035	
885-4695-2 MSD	SS-2	Total/NA	Solid	5035	

Analysis Batch: 5337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	8015D	5175
885-4695-2	SS-2	Total/NA	Solid	8015D	5175
885-4695-3	SS-3	Total/NA	Solid	8015D	5175
885-4695-4	SS-4	Total/NA	Solid	8015D	5175
885-4695-5	SS-5	Total/NA	Solid	8015D	5175
885-4695-6	SS-6	Total/NA	Solid	8015D	5175
MB 885-5175/1-A	Method Blank	Total/NA	Solid	8015D	5175
LCS 885-5175/2-A	Lab Control Sample	Total/NA	Solid	8015D	5175
885-4695-1 MS	SS-1	Total/NA	Solid	8015D	5175
885-4695-1 MSD	SS-1	Total/NA	Solid	8015D	5175

Analysis Batch: 5338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	8021B	5175
885-4695-2	SS-2	Total/NA	Solid	8021B	5175
885-4695-3	SS-3	Total/NA	Solid	8021B	5175
885-4695-4	SS-4	Total/NA	Solid	8021B	5175
885-4695-5	SS-5	Total/NA	Solid	8021B	5175
885-4695-6	SS-6	Total/NA	Solid	8021B	5175
MB 885-5175/1-A	Method Blank	Total/NA	Solid	8021B	5175
LCS 885-5175/3-A	Lab Control Sample	Total/NA	Solid	8021B	5175
885-4695-2 MS	SS-2	Total/NA	Solid	8021B	5175
885-4695-2 MSD	SS-2	Total/NA	Solid	8021B	5175

GC Semi VOA

Prep Batch: 5184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	SHAKE	
885-4695-2	SS-2	Total/NA	Solid	SHAKE	
885-4695-3	SS-3	Total/NA	Solid	SHAKE	
885-4695-4	SS-4	Total/NA	Solid	SHAKE	
885-4695-5	SS-5	Total/NA	Solid	SHAKE	
885-4695-6	SS-6	Total/NA	Solid	SHAKE	
MB 885-5184/1-A	Method Blank	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

GC Semi VOA (Continued)

Prep Batch: 5184 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-5184/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 5200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-5184/1-A	Method Blank	Total/NA	Solid	8015D	5184
LCS 885-5184/2-A	Lab Control Sample	Total/NA	Solid	8015D	5184

Analysis Batch: 5252

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	8015D	5184
885-4695-2	SS-2	Total/NA	Solid	8015D	5184
885-4695-3	SS-3	Total/NA	Solid	8015D	5184
885-4695-4	SS-4	Total/NA	Solid	8015D	5184
885-4695-5	SS-5	Total/NA	Solid	8015D	5184
885-4695-6	SS-6	Total/NA	Solid	8015D	5184

HPLC/IC

Prep Batch: 5203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	300_Prep	
885-4695-2	SS-2	Total/NA	Solid	300_Prep	
885-4695-3	SS-3	Total/NA	Solid	300_Prep	
885-4695-4	SS-4	Total/NA	Solid	300_Prep	
885-4695-5	SS-5	Total/NA	Solid	300_Prep	
885-4695-6	SS-6	Total/NA	Solid	300_Prep	
885-4695-1 MS	SS-1	Total/NA	Solid	300_Prep	
885-4695-1 MSD	SS-1	Total/NA	Solid	300_Prep	

Analysis Batch: 5233

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4695-1	SS-1	Total/NA	Solid	300.0	5203
885-4695-2	SS-2	Total/NA	Solid	300.0	5203
885-4695-3	SS-3	Total/NA	Solid	300.0	5203
885-4695-4	SS-4	Total/NA	Solid	300.0	5203
885-4695-5	SS-5	Total/NA	Solid	300.0	5203
885-4695-6	SS-6	Total/NA	Solid	300.0	5203
MB 885-5233/4	Method Blank	Total/NA	Solid	300.0	
MRL 885-5233/3	Lab Control Sample	Total/NA	Solid	300.0	
885-4695-1 MS	SS-1	Total/NA	Solid	300.0	5203
885-4695-1 MSD	SS-1	Total/NA	Solid	300.0	5203

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-1

Lab Sample ID: 885-4695-1

Date Collected: 05/15/24 14:00

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 13:47
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 13:47
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 15:15
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 15:01

Client Sample ID: SS-2

Lab Sample ID: 885-4695-2

Date Collected: 05/15/24 14:10

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 14:57
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 14:57
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 15:25
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 15:38

Client Sample ID: SS-3

Lab Sample ID: 885-4695-3

Date Collected: 05/15/24 14:16

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 16:07
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 16:07
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 15:36
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 15:50

Client Sample ID: SS-4

Lab Sample ID: 885-4695-4

Date Collected: 05/15/24 14:18

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 16:30

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Client Sample ID: SS-4

Lab Sample ID: 885-4695-4

Date Collected: 05/15/24 14:18

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 16:30
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 15:47
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 16:03

Client Sample ID: SS-5

Lab Sample ID: 885-4695-5

Date Collected: 05/15/24 14:20

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 16:54
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 16:54
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 15:58
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 16:15

Client Sample ID: SS-6

Lab Sample ID: 885-4695-6

Date Collected: 05/15/24 14:24

Matrix: Solid

Date Received: 05/17/24 08:16

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/17/24 17:17
Total/NA	Prep	5035			5175	JP	EET ALB	05/17/24 09:52
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/17/24 17:17
Total/NA	Prep	SHAKE			5184	DH	EET ALB	05/17/24 11:40
Total/NA	Analysis	8015D		1	5252	JU	EET ALB	05/17/24 16:09
Total/NA	Prep	300_Prep			5203	RC	EET ALB	05/17/24 15:02
Total/NA	Analysis	300.0		20	5233	JT	EET ALB	05/19/24 16:27

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Howell Top Soil Pit

Job ID: 885-4695-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-4695-1

Login Number: 4695

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



APPENDIX C – JAMES H & BETTY R HOWELL
REVOCABLE TRUST SEED MIXTURE

James H & Betty R Howell Revocable Trust Seed Mix

1lb per acre of Plains Bristlegrass

2lbs per acre of Green Sprangletop

3lbs per acre of Side Oats Gramma

2lbs per acre of Blue Gramma

Increase to 16lbs per acre if broadcast.

Add Reclamation Mix

40% Ryegrass (Annual)

10% Millet

7.5% Kleingrass

5.7% Sideoats

5% Green Sprangletop

7.5% Bristlegrass

10% Western Wheatgrass

10% Buffalograss

2.5% Blue Grama

PLANTING RATE 20 lbs. per acre

Updated 5/23/2021



**RECLAMATION REPORT
(VOLUME 2 OF 4)
ROY SWD #3**

**NAB1801936658, NAB1834454137, NAPP2111045260, & NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

MAY 30, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by several loops.

**William Kierdorf, REM
Project Manager**

APPENDIX D – NMOCD APPROVED SITE
REMEDICATION AND CLOSURE REPORTS

D.1 - NMOCD INCIDENT #NAPP2111046250



SITE REMEDIATION AND CLOSURE REPORT

**EASTERN OFF PAD, SOUTHERN OFF PAD
AND PIT AREAS**

**ROY SWD #3 (NAPP2111046250)
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

JANUARY 14, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by a horizontal line.

**William Kierdorf, REM
Project Manager**

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**SITE REMEDIATION AND CLOSURE REPORT
ROY SWD #3 (NAPP2111046250)
EASTERN OFF-PAD, SOUTHERN OFF-PAD AND PIT AREAS
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

1.0 SITE LOCATION AND BACKGROUND

The Roy SWD #3 (Site) is located on private land, approximately 13.6 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit P, Section 7, T19S-R25E at GPS coordinates 32.67059, -104.51773. The site was operated by EOG Resources, Inc. (EOG), and historically consisted of a saltwater disposal well, a tank battery with an earthen containment berm, pump houses and associated equipment. Operations at the site were once conducted within the full extent of the facility pad; however, a reduction of operations at the Site left the southern approximate half of the facility pad unused. Prior to the reporting of the subject incident detailed below, reclamation efforts to decommission the southern portion of the pad were completed. In April and May of 2022, plugging and abandonment of the on-site disposal well was completed. Additionally, the on-site tank battery and associated equipment has been taken out-of-service, decommissioned, and removed from the Site.

On April 16, 2021, an area of concern located to the east of the Roy SWD #3 facility boundary was reported to EOG by the private landowner, Howell Ranch. The area was noted to be within a historic line right-of-way. The area of concern was reported to the New Mexico Oil Conservation Division (NMOCD) on April 19, 2021 (NMOCD Incident # nAPP2111046250).

Additional open NMOCD incidents are present at the Site. Two incidents (NMOCD Incident ID #s nAB1801936658 & nAB1834454137) are associated with the former tank battery area located in the northern portion of the former facility. An incident associated with the adjacent Roy SWD #3 well head (NMOCD ID #nAPP2123047534) is present in the northern portion of the facility pad. Documentation of the impacts and completed remedial efforts in these incident areas will be submitted under separate cover. The following report is associated with the subject NMOCD Incident ID # nAPP2111046250.

EOG engaged Ranger Environmental Services, LLC (Ranger) to assist in the site assessment and remediation efforts. In May 2021, Ranger personnel initiated assessment activities to evaluate the extent of the impacts in the initially-reported area. During the course of the site activities, three distinct affected areas associated with the subject incident were identified, assessed, and remediated, as summarized below:

- **Eastern Off-Pad Area:** This is the initial area associated with this incident that was reported by Howell Ranch to the east of the facility pad boundary in the line right-of-way.

- **Former Drill Pit Area:** Based on observed evidence, the southern decommissioned portion of the Roy SWD #3 facility pad was where the former drill pit utilized during the installation of the Roy SWD #3 well was located. Elevated soil chloride concentrations were documented to be present in this area.
- **Southern Off-Pad Area:** This area, located immediately south of the Former Drill Pit Area, was also documented to contain elevated soil chloride concentrations.

After completion of the initial assessment efforts in 2021, a Ranger prepared *Site Characterization and Proposed Remediation Plan*, dated October 12, 2021 (“Remediation Plan”), was prepared and submitted to the NMOCD for review. The plan included full details of the completed site assessment activities, details of additional delineation efforts to be completed in the Former Drill Pit Area, and proposed a remediation strategy which included limited soil removal and the installation of a geosynthetic clay liner (GCL). On April 21, 2022, the NMOCD approved the plan with notes that included approval of the utilization of a GCL in both the former drill pit area and areas outside of the former drill pit.

Due to the plugging and abandonment of the Roy SWD #3 disposal well in April and May 2022, which limited access to the site, the start of the soil remediation operations had to be delayed until May 10, 2022. Various weather and waste disposal related delays also occurred which prolonged the soil remediation process. Due to this, a Ranger prepared *Remediation Plan Update*, dated July 20, 2022, was prepared and submitted to the NMOCD. This report provided an update regarding the remedial activities completed to date, an outline of the activities pending completion, and requested additional time to complete the remedial activities. On November 16, 2022, NMOCD representatives responded to the *Remediation Plan Update* and requested that a meeting be scheduled to discuss the ongoing Site activities.

On November 29, 2022, representatives of the NMOCD, EOG, and Ranger met via teleconference. During the meeting, details of the *Remediation Plan Update* were reviewed and discussed. During the meeting, the NMOCD representatives expressed concerns regarding their prior approval of the remedial strategy for the Former Drill Pit Area. The NMOCD ultimately rescinded their April 21, 2022 approval of the limited soil removal operations and GCL installation in the former pit area and requested that additional assessment activities be completed within the footprint of the former drill pit in order to develop an updated remediation strategy.

Based on the above, multiple additional phases of assessment/delineation were completed in the Former Drill Pit Area. The results of each completed assessment/delineation event were supplied to the NMOCD representatives for review. Additional video conference meetings between NMOCD, EOG, and Ranger representatives were held on January 5, 2023, February 21, 2023, April 12, 2023, June 28, 2023, and July 26, 2023. During the meetings, the completed assessment/delineation activities and results were discussed as well as potential alternative remediation goals for the Former Drill Pit Area.

The alternative remediation goals which were discussed included potential limited soil removal to a predetermined depth(s) and/or the utilization of an alternative chloride remediation standard for the Site. While the NMOCD representatives provided general guidance for the level of remediation desired, no specific excavation depth(s) or alternate chloride target cleanup criteria were directed or approved. The ultimate directive provided by NMOCD was to remove “as much as possible” of the observed “chloride mass” in the Former Drill Pit Area.



Due to the lack of clear guidance regarding the site cleanup goals, the Site remediation goals were ultimately shifted to the applicable NMAC 19.15.29.12 Table 1 Criteria as detailed in Section 2.1, below. In November 2024, final remedial efforts associated with the subject incident were completed. This report has been prepared in order to provide full details of the completed remedial efforts at the Site.

A *Topographic Map* and aerial *Area Map* depicting the Site location and surrounding areas are attached. A *Remediation Area Overview Map* is also attached which illustrates the various incident areas at the Site, as well as the locations of the Eastern Off-Pad Area, Former Drill Pit Area, and Southern Off-Pad Area that are the subject of this report and which were addressed as part of the subject incident.

2.0 SITE REMEDIATION

2.1 Closure Criteria

Based upon the site characterization details¹ provided in the October 12, 2021 *Remediation Plan*, and as a result of the above-discussed qualitative NMOCD directives, the Site was remediated to the Table 1 19.15.29.12 NMAC (groundwater 0'-50' feet) criteria (Table 1 Criteria). Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The NMAC 19.15.29 criteria is detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ²	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details are included in the *Site Characterization and Proposed Remediation Work Plan*, dated October 12, 2021.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023*.

2.2 Impacted Soil Removal and Remediation Summary

Soil remedial operations in areas associated with the subject incident were conducted from May 10, 2022 to November 25, 2024. The initial removal operations commenced in the Eastern Off-Pad Area and then were extended into the Former Drill Pit Area and Southern Off-Pad Area.

Field readings were continuously collected throughout the excavation process to guide the horizontal and vertical extents of the excavation and qualitatively assess the cleanup progress. The field screening activities conducted by Ranger personnel during the soil excavation process involved the usage of an organic vapor monitor (OVM) and field chloride titration kit to assist in



guiding the excavation to appropriate boundaries. Upon reaching boundaries in an area which appeared to have attained the site closure criteria based upon the field screening results, cleanup confirmation soil samples were then collected for laboratory analysis in accordance with the approved Remediation Plan. Prior to each cleanup confirmation soil sampling event, appropriate notice was provided to the NMOCD in accordance with NMAC 19.15.29.12 (D). Copies of the notifications are attached.

Numerous cleanup confirmation soil sampling events were ultimately conducted to verify the field readings and confirm whether or not the site closure criteria had been attained. In the event that the cleanup confirmation soil sampling results indicated that the site closure criteria had not been attained, then additional over-excavation and re-sampling of those areas was conducted.

The cleanup confirmation soil samples were collected in accordance with NMAC 19.15.29.12 Subsection D as representative five-point composite samples from the sidewalls and base. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Ranger personnel wore new nitrile gloves while handling each sample in order to prevent cross-contamination of samples.

The collected soil samples were containerized in sterile, laboratory-supplied containers and were subsequently sealed in one or more zip lock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date and time of sample collection, and samplers' initials. Chain-of-custody forms were completed to document sample transport to the analytical laboratory.

Upon collection, the soil samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. Copies of the laboratory analytical reports including chain-of-custody documentation are attached. Summary tables of the soil analytical results are provided in the *Tables* section of this report. Any results presented with a "strikethrough" indicate that those sample areas were further over-excavated and resampled.

Below is a summary of additional details pertaining to the soil remediation and cleanup confirmation sampling activities conducted within the Eastern Off-Pad Area, Former Drill Pit Area, and Southern Off-Pad Area.

2.2.1 Eastern Off-Pad Area

As stated above, remedial operations in the Eastern Off-Pad Area were initiated on May 10, 2022. The initial remedial efforts were completed in accordance with the methodologies outlined in the NMOCD approved *Remediation Plan*. The operations included the removal of soils exhibiting chloride concentrations elevated above the Table 1 and Reclamation Criteria to an initial depth of six feet below ground surface (bgs). As detailed in the *Remediation Plan*, additional removal beyond six feet bgs was completed in select locations where it was anticipated that removal to the target Table 1 Criteria was safely achievable. In locations adjacent to the Former Drill Pit Area limited soil removal was completed so that the integrity of the former pit would not be compromised. These areas were to be covered by a geosynthetic clay liner (GCL) to ensure the protection of the underlying groundwater.



As detailed in the *Remediation Plan Update*, elevated soil chloride concentrations remained in various locations within the Eastern Off-Pad Area. Additional vertical delineation assessment activities were subsequently completed to determine if excavation to boundaries within the applicable Table 1 Criteria was practical. Based on the results of the vertical delineation activities, additional areas were excavated to boundaries within the applicable closure criteria.

Due to the uncertainty regarding the extent of remediation that would be considered appropriate for closure by the NMOCD, the site remediation plan was altered to utilize soil excavation as the only site remediation method (i.e. - with no GCL) and to attain the Table 1 Criteria (GW \leq 50') and Reclamation Criteria within all affected areas. As such, the remaining base areas in the Eastern Off-Pad Area were subsequently over-excavated, as well as the areas adjacent to the Former Drill Pit Area, until the closure criteria were attained.

As proposed and approved by the NMOCD in the *Remediation Plan*, cleanup confirmation soil samples in the Eastern Off-Pad Area were collected as five-part composite samples representative of no more than 400 square feet. Excavation sidewall samples were collected in accordance with NMAC 19.15.29.12 Subsection D as representative five-point composite samples representative of no more than 200 square feet. In total, 173 cleanup confirmation soil samples were collected and analyzed from the Eastern Off-Pad Area.

Lastly, it should be noted that several sample locations associated with the Eastern Off-Pad Area ultimately overlapped with the impact/remediation areas associated with the adjacent Former Drill Pit Area and the Wellhead Impact Area (NMOCD Incident nAPP2123047534). These areas were ultimately addressed during the remediation of the Former Drill Pit Area and the Wellhead Impact Area.

2.2.2 Southern Off-Pad Area

As detailed in the *Remediation Plan Update*, this area was initially intended to be remediated in accordance with the methodologies outlined in the NMOCD approved *Remediation Plan*. However, due to the uncertainty regarding the extent of remediation that would be considered appropriate for closure by the NMOCD, the site remediation plan was altered to utilize soil excavation as the only remediation method (i.e. - with no GCL) and to attain the Table 1 Criteria (GW \leq 50') and Reclamation Criteria within all affected areas.

The cleanup confirmation soil samples collected from the Southern Off-Pad Area were collected in accordance with NMAC 19.15.29.12 Subsection D as representative five-point composite samples from the sidewalls and base where each composite sample was not representative of more than 200 square feet. In total, 58 cleanup confirmation soil samples were collected and analyzed from the Southern Off-Pad Area.

2.2.3 Former Drill Pit Area

As detailed in the *Remediation Plan*, the initial remedial strategy for the Former Drill Pit Area involved the removal of soils overlying the existing plastic pit liner, the installation of a GCL, and the subsequent placement of a two-foot topsoil cap over the area. The removal of the soils overlying the existing plastic pit liner was completed in July and August 2022. Soils overlying the former drill pit were excavated to depths ranging from approximately eight inches to one-foot bgs until the existing plastic pit liner, drill pit material, and/or other evidence of the pit were encountered.



As summarized above, during the November 29, 2022 videoconference meeting with the NMOCD, the previously approved remedial strategy for the former drill pit area (limited soil removal and GCL installation) was rescinded by the NMOCD, and the NMOCD requested that additional vertical delineation be conducted within the former drill pit area. Following completion of the requested vertical delineation activities, the NMOCD ultimately provided directives for removal of the “chloride mass” in the Former Drill Pit Area to extents “as safely possible.” Due to the denial of the utilization of a GCL and the uncertainty regarding the extent of remediation that would be considered appropriate for closure by the NMOCD, the remediation plan for the former drill pit area was altered to utilize soil excavation as the only remediation method (i.e. - with no GCL) and to attain the Table 1 Criteria (GW \leq 50’) and Reclamation Criteria throughout the pit area.

Based on the results of the prior EM survey and the soil delineation activities, two areas of significant chloride mass were identified within the former drill pit area. One of these areas was in the eastern portion of the former drill pit adjacent to the Eastern Off-Pad Area (dubbed the “Eastern Pit Area”). The second area was located along the western boundary of the former drill pit (dubbed the “Western Pit Area”). The remaining footprint of the Former Drill Pit Area where elevated chloride concentrations were present at shallower depths (surface to approximately five feet bgs) was dubbed the “Pit Surface Area.” These areas are illustrated on the attached *Remediation Area Overview Map*.

From April 2024 through November 2024, continued soil removal, assessment, and cleanup confirmation sampling activities were completed in the Former Drill Pit Area. The cleanup confirmation soil samples were collected in accordance with NMAC 19.15.29.12 Subsection D as representative five-point composite samples representative of no more than 200 square feet. In total, 329 cleanup confirmation soil samples were collected from the Former Drill Pit Area.

2.3 Final Excavation Dimensions and Cleanup Confirmation Soil Sample Results

Upon completion of the soil removal activities in the Eastern Off-Pad Area, the excavation dimensions measured approximately 263 feet by 224 feet by approximately 6 feet to 14 feet deep.

Upon completion of the soil removal operations, the Southern Off-Pad Area excavation dimensions measured approximately 129 feet by 105 feet by approximately 4 feet to 12 feet deep.

Upon completion of the soil removal activities in the Former Drill Pit Area, the Pit Surface Area excavation had maximum dimensions of approximately 266 feet by 215 feet by four to five feet deep. The Eastern Pit Area excavation had maximum dimensions of approximately 80 feet by 82 feet by 12 feet to 24 feet deep. The Western Pit Area excavation had maximum dimensions of approximately 135 feet by 153 feet by 10 feet to 20 feet deep.

2.3.1 Eastern Off-Pad Area

A *Final Excavation Area and Confirmation Sample Location Map – Eastern Off-Pad Area* is provided in the Figures section which illustrates the completed excavation boundaries and the locations of the final cleanup confirmation soil samples. The attached “*Eastern Off-Pad Area - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data*” table provides a comprehensive summary of the laboratory analytical results for the cleanup confirmation soil samples collected during the remediation process. The final cleanup confirmation soil samples for the Eastern Off-Pad Area documented attainment of the Table 1 Criteria (GW \leq 50’) and Reclamation Criteria summarized in Section 2.1.



2.3.2 Southern Off-Pad Area

A *Final Excavation Area and Confirmation Sample Location Map – Southern Off-Pad Area* is provided in the Figures section which illustrates the completed excavation boundaries and the locations of the final cleanup confirmation soil samples. The attached “*Southern Off-Pad Area - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data*” table provides a comprehensive summary of the laboratory analytical results for the cleanup confirmation soil samples collected during the remediation process. The final cleanup confirmation soil samples for the Southern Off-Pad Area documented attainment of the Table 1 Criteria (GW ≤50’) and Reclamation Criteria summarized in Section 2.1.

2.3.3 Former Drill Pit Area

As detailed above, remediation of the Former Drill Pit Area was completed in three areas dubbed the Eastern Pit Area, Pit Surface Area, and Western Pit Area. Included in the Figures section of the report are *Final Excavation Area & Confirmation Sample Location Maps* for each of these three areas which depict the completed excavation boundaries and locations of the final cleanup confirmation soil samples. Provided in the Tables section of this report is a “*Pit Area (Eastern Pit Area, Pit Surface Area, & Western Pit Area) - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data*” table that provides a comprehensive summary of the laboratory analytical results for the cleanup confirmation soil samples collected from the three pit areas during the remediation process. The final cleanup confirmation soil samples for the Former Drill Pit Area documented attainment of the Table 1 Criteria (GW ≤50’) and Reclamation Criteria summarized in Section 2.1.

2.4 Waste Disposal

All soils generated during the remedial excavation activities at the Site were transported to disposal at either the Lea Land disposal facility in Eddy County, New Mexico or the Gandy Marley disposal facility located in Chavez County, New Mexico.

3.0 SITE CLOSURE

3.1 Site Completion & Backfill

Upon successfully completing remediation to boundaries where soil concentrations were documented to be within the target closure criteria, the areas were backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13. At the time of this report, backfilling of the excavated areas is ongoing.

3.2 Site Revegetation & Reclamation

Since the Site is no longer active, revegetation and reclamation efforts will be completed in accordance with NMAC 19.15.29.13. Full details of the Site revegetation and reclamation efforts will be submitted in a subsequent *Site Reclamation Report*.



3.3 Closure Request

Based on the completed site remediation and cleanup confirmation soil sampling activities, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests closure of the incident.



FIGURES

Topographic Map

Area Map

Area Identification Map (nAPP2111046250)

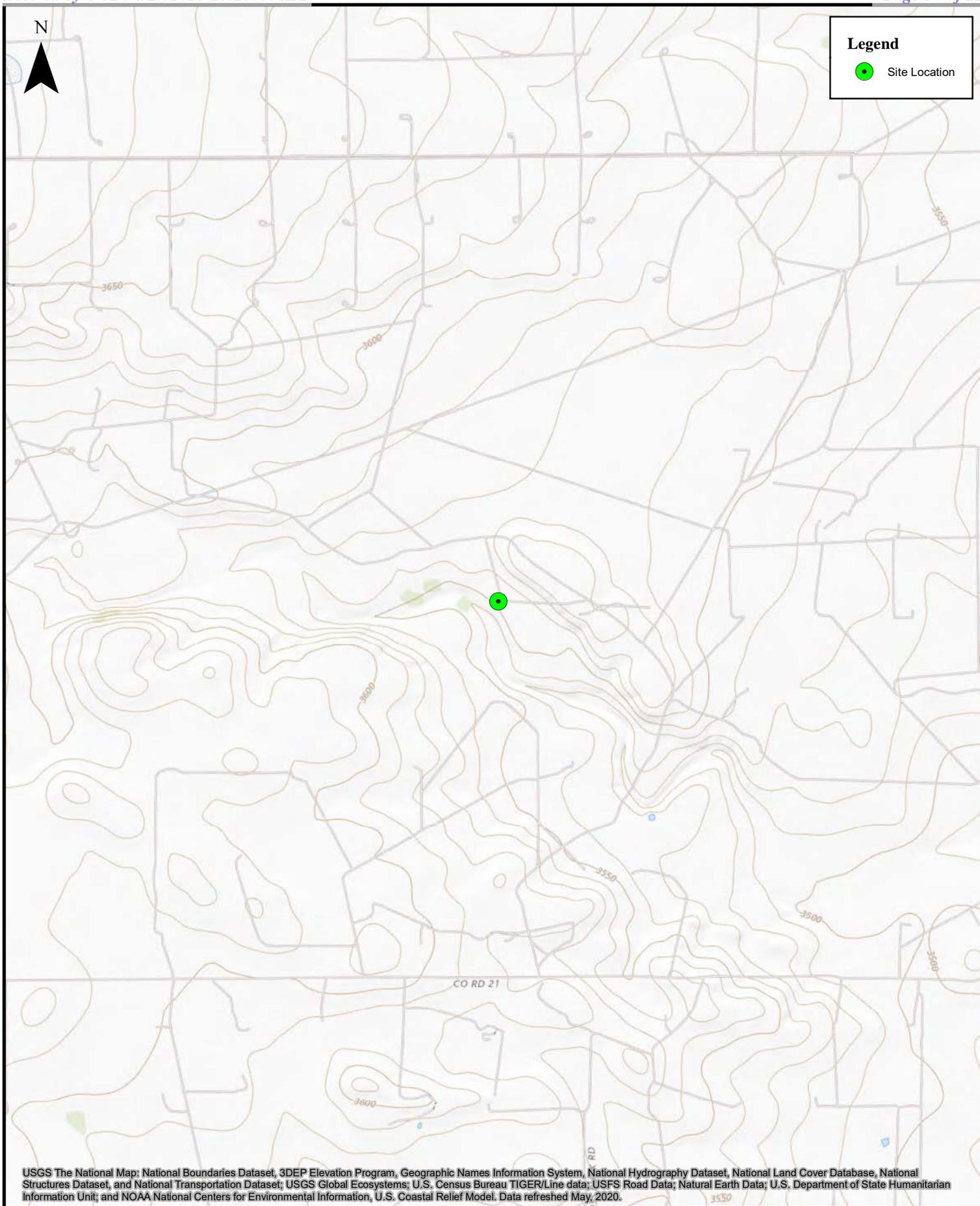
Final Excavation & Confirmation Sample Location Map – Eastern
Off-Pad Area

Final Excavation & Confirmation Sample Location Map – Southern
Off-Pad Area

Final Excavation & Confirmation Sample Location Map – Eastern
Pit Area

Final Excavation & Confirmation Sample Location Map – Pit
"Surface" Area

Final Excavation & Confirmation Sample Location Map – Western
Pit Area

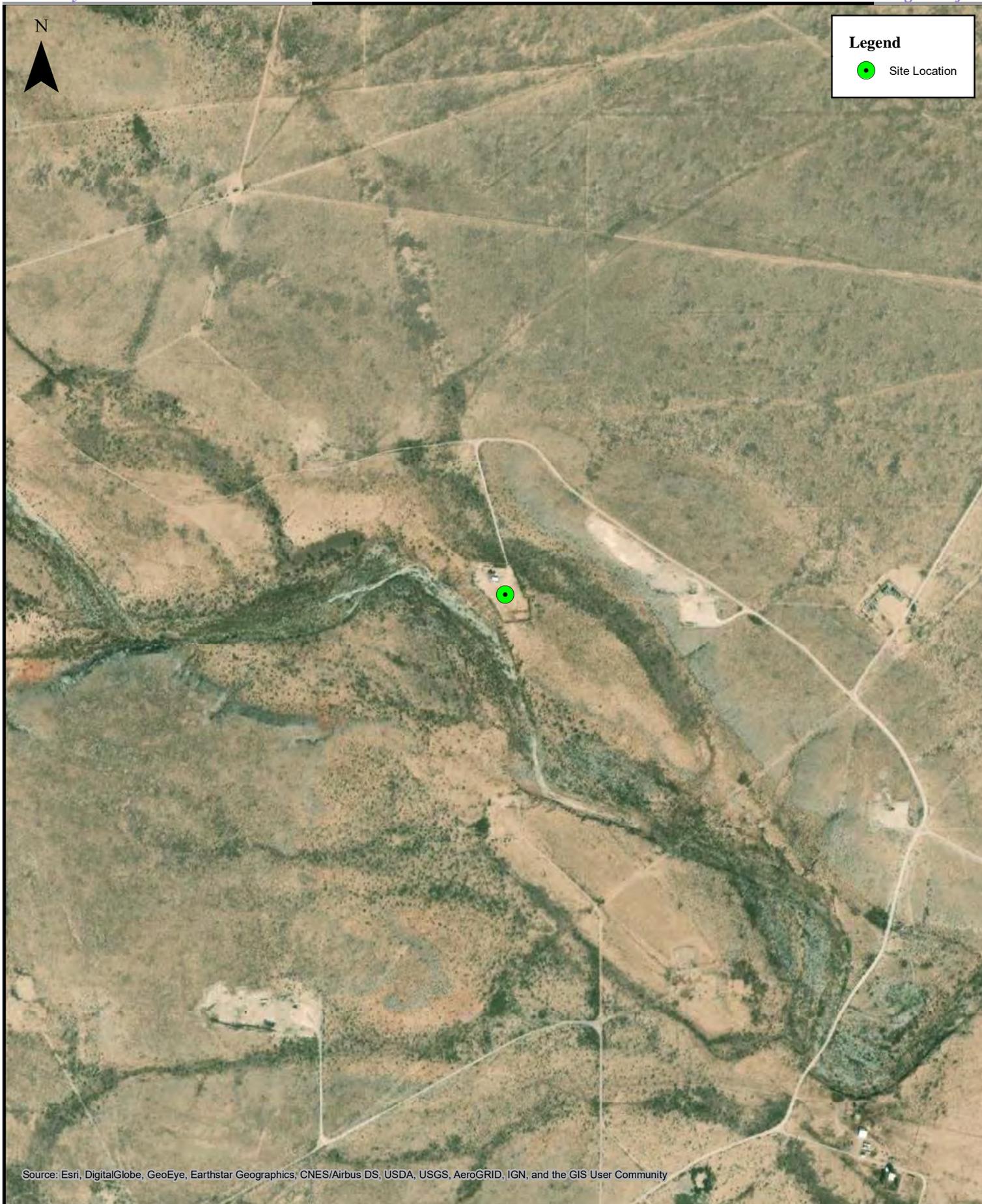


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.



0 600 1,200 2,400 3,600 4,800 Feet
1:24,000

Topographic Map
Roy SWD #3
EOG Resources, Inc.



Legend

-  Site Location

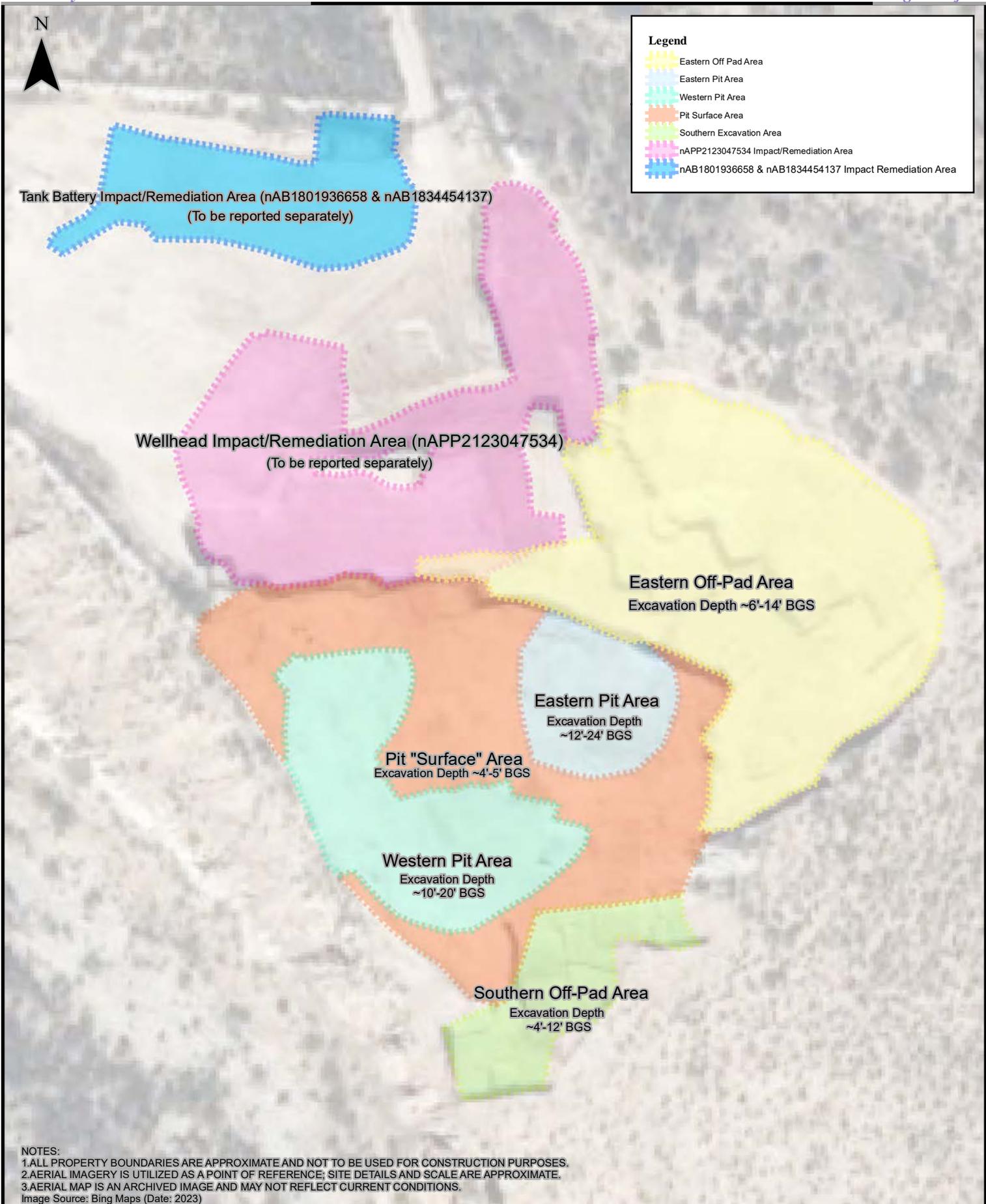
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



0 250 500 1,000 1,500 2,000 Feet

1:10,000

Area Map
Roy SWD #3
EOG Resources, Inc.

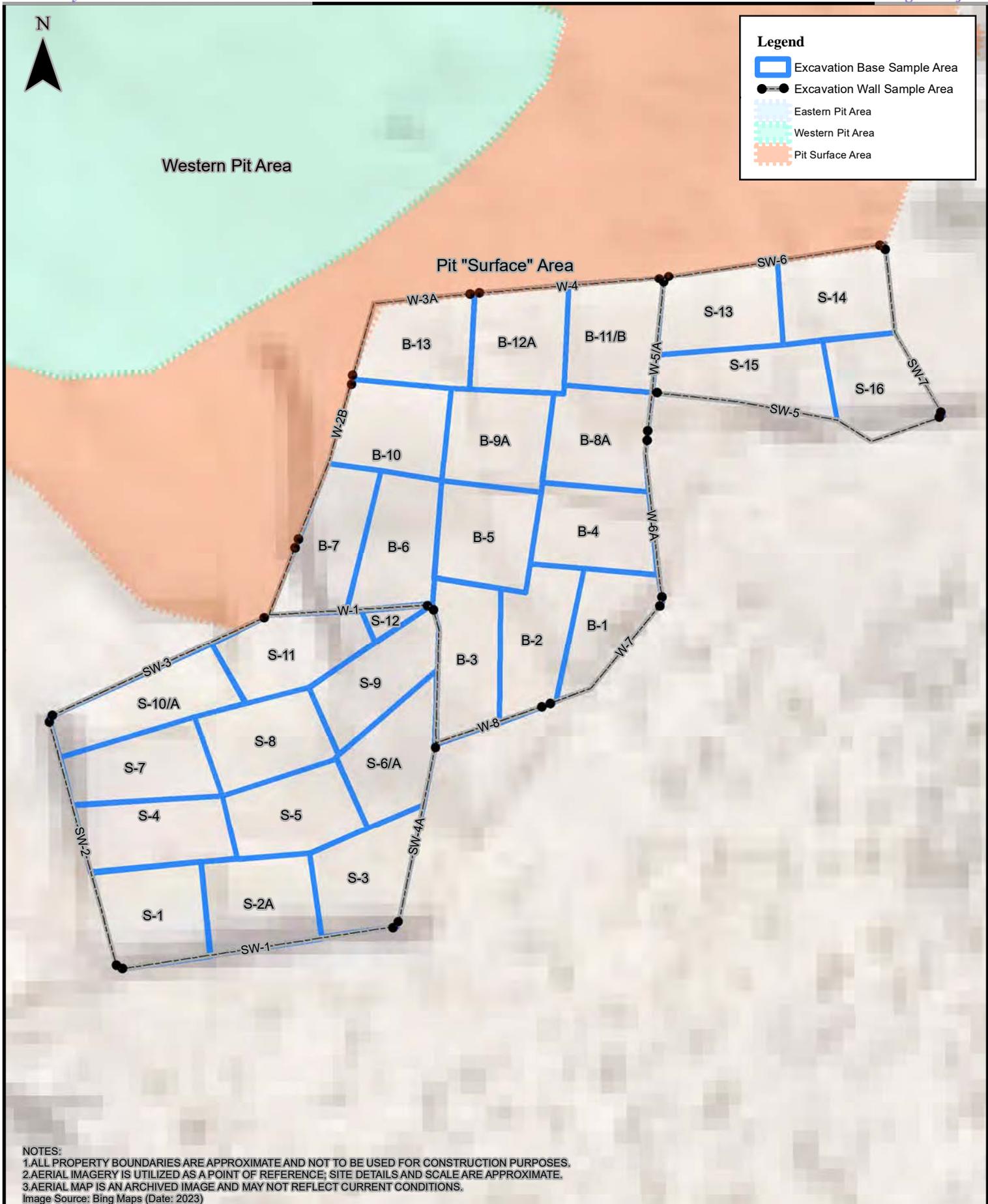


RANGER
ENVIRONMENTAL SERVICES, LLC

0 12.5 25 50 75 100 Feet

1:750

Remediation Area Overview Map
(nAPP2111046250)
 Roy SWD #3
 EOG Resources, Inc.



RANGER
ENVIRONMENTAL SERVICES, LLC

0 4 8 16 24 32 Feet

1:213

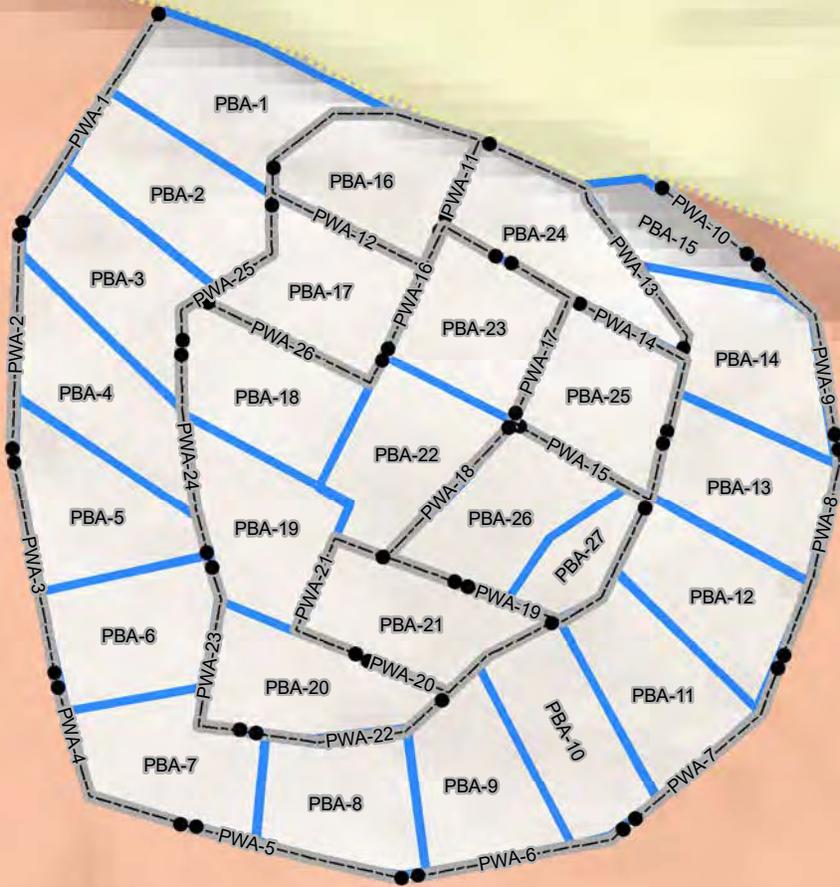
Final Excavation Area & Confirmation Sample Location Map
Southern Off-Pad Area
 Roy SWD #3
 EOG Resources, Inc.



Legend

-  Excavation Wall Sample Area
-  Excavation Base Sample Area
-  Eastern Off Pad Area
-  Western Pit Area
-  Pit Surface Area
-  Southern Excavation Area

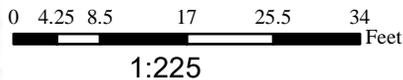
Eastern Off-Pad Area



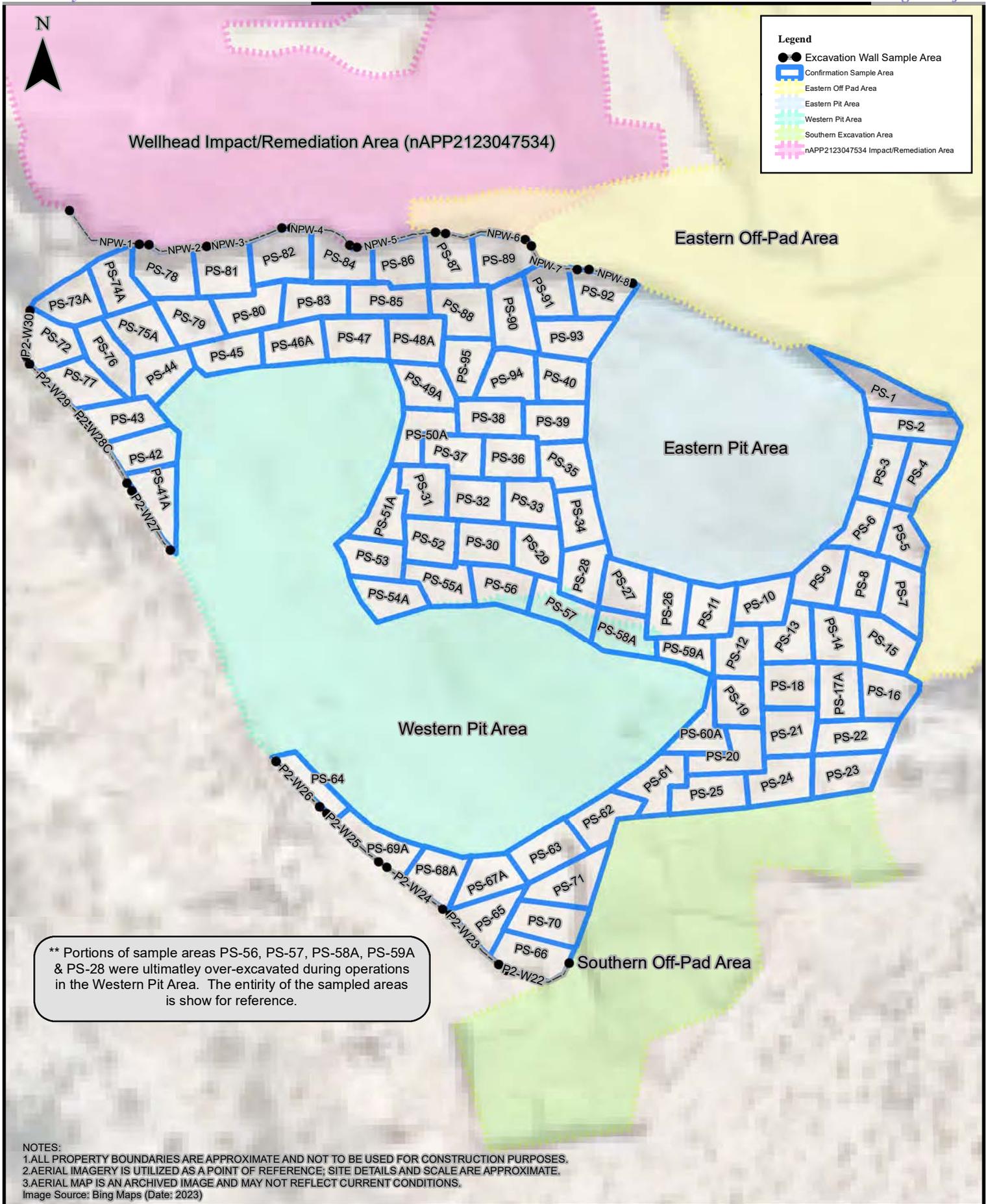
Pit "Surface" Area

Western Pit Area

NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



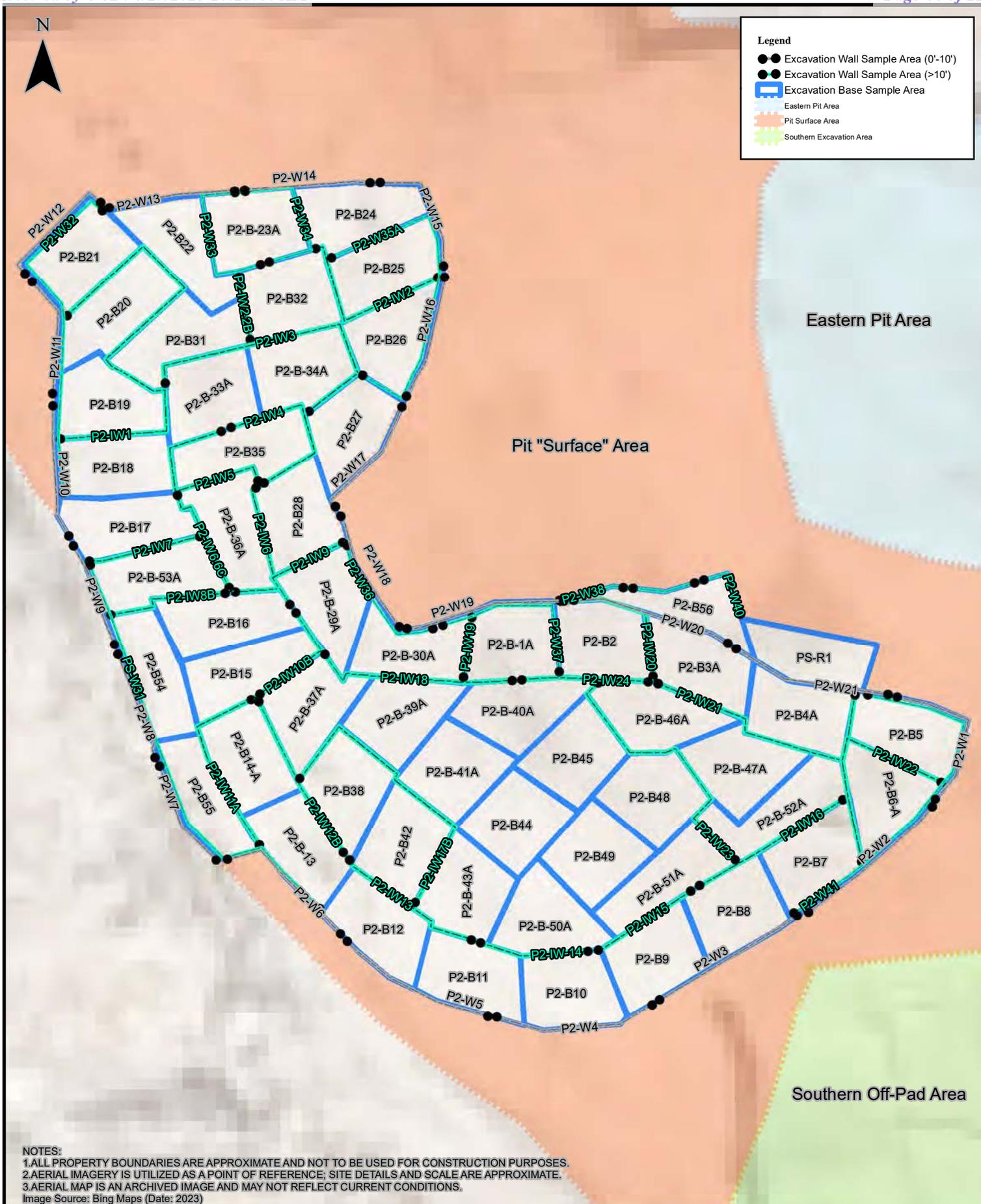
Final Excavation Area & Confirmation Sample Location Map
Eastern Pit Area
 Roy SWD #3
 EOG Resources, Inc.



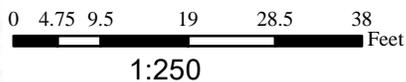
RANGER
ENVIRONMENTAL SERVICES, LLC

0 5 10 20 30 40 Feet
1:425

Final Excavation Area & Confirmation Sample Location Map
Pit "Surface" Area
 Roy SWD #3
 EOG Resources, Inc.



NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



Final Excavation Area & Confirmation Sample Location Map
Western Pit Area
 Roy SWD #3
 EOG Resources, Inc.

TABLES

Eastern Off-Pad Area - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

Southern Off-Pad Area Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

Pit Area (Eastern Pit Area, Pit "Surface" Area, & Western Pit Area) - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

EASTERN OFF-PAD AREA
CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Base Soil Samples													
EX-1	5/25/2022	8'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<47	<9.5	<47	660
EX-1A	7/12/2022	8.25'	<0.021	<0.043	<0.043	<0.085	<0.09	<4.3	<14	<48	<14	<48	500
EX-2	5/25/2022	8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	750
EX-2A	7/12/2022	8.25'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<15	<48	<15	<48	540
EX-3	5/25/2022	8'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<47	<9.5	<47	590
EX-4	5/16/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.6	<48	<9.6	<48	530
EX-5	5/16/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<49	<9.7	<49	550
EX-6	5/25/2022	8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.6	<48	<9.6	<48	540
EX-7	5/25/2022	8'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.8	<49	<9.8	<49	590
EX-8	5/16/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	210
EX-9	5/25/2022	8'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	520
EX-10	5/25/2022	8'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.8	<49	<9.8	<49	520
EX-11	5/25/2022	8'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	530
EX-12	6/3/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	670
EX-12A	6/20/2022	6.5'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	520
EX-13	6/3/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	640
EX-13A	6/20/2022	6.5'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	510
EX-14	6/3/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	450
EX-15	6/3/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	550
EX-16	6/3/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	510
EX-17	6/3/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	540
EX-18	6/3/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	460
EX-19	6/6/2022	6.5'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	360
EX-20	6/6/2022	8'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	560
EX-24	6/3/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	780
EX-21A	6/7/2022	7'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	600
EX-22	6/3/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	410
EX-23	6/3/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	680
EX-23A	6/20/2022	6.5'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<14	<47	<14	<47	380
EX-24	6/3/2022	6'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<15	<50	<15	<50	280
EX-25	6/3/2022	6'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<14	<47	<14	<47	450
EX-26	6/6/2022	8'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	410
EX-27	6/6/2022	6.5'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	450
EX-28	6/6/2022	8'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<46	<14	<46	860
EX-28A	6/20/2022	9'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	720
EX-28B	7/26/2022	10'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	190
EX-29	6/3/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<46	<14	<46	290
EX-30	6/3/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	360
EX-31	6/6/2022	6.5'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<51	<15	<51	190
EX-32	6/6/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<13	<44	<13	<44	200
EX-33	6/7/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	830
EX-33A	7/26/2022	7'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<15	<49	<15	<49	710
EX-33B	8/8/2022	8'	<0.016	<0.031	<0.031	<0.062	<0.06	<3.1	<14	<46	<14	<46	170
EX-34	6/7/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	710
EX-34A	7/26/2022	40'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	690
EX-34B	8/8/2022	11'	<0.015	<0.030	<0.030	<0.060	<0.06	<3.0	<14	<48	<14	<48	310
EX-35	6/7/2022	6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<49	<15	<49	760
EX-35A	7/26/2022	7'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<14	<47	<14	<47	560
EX-36	6/7/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	390
EX-37	6/7/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	670
EX-37A	7/26/2022	8'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<13	<44	<13	<44	110
EX-38	6/7/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<44	<13	<44	1,200
EX-38A	3/11/2024	14'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	<60
EX-39	7/7/2022	8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	390
EX-40	7/7/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	2,300
EX-40A	3/11/2024	11'	<0.024	<0.047	<0.047	<0.095	<0.10	<4.7	<9.2	<46	<9.2	<46	560
EX-44	7/7/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	990
EX-41A	3/11/2024	12'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<48	<9.7	<48	340
EX-42	6/7/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	2,000
EX-42A	8/5/2022	9'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	1,400
EX-42B	8/22/2022	10'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<15	<49	<15	<49	470
EX-43	7/7/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	2,400
EX-43A	8/26/2022	9'	<0.022	<0.043	<0.043	<0.087	<0.09	<4.3	<15	<49	<15	<49	1,000
EX-43B	3/11/2024	12'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.6	<48	<9.6	<48	<60
EX-44	6/7/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	1,100
EX-44A	8/5/2022	9'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<45	<14	<45	220
EX-45	6/7/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<48	<14	<48	660
EX-45A	8/5/2022	9'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	600
EX-46	7/12/2022	7'-8'	<0.021	<0.043	<0.043	<0.086	<0.09	<4.3	<15	<48	<15	<48	<60
EX-47	7/12/2022	7'-8'	<0.018	<0.037	<0.037	<0.074	<0.07	<3.7	<15	<46	<15	<46	940
EX-47A	7/26/2022	9'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	600
EX-48	7/12/2022	6'-7'	<0.018	<0.035	<0.035	<0.071	<0.07	<3.5	<13	<45	<13	<45	540
P-1	7/8/2022	0-4'	<0.024	<0.049	<0								

EASTERN OFF-PAD AREA
CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
P-2B	3/11/2024	8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<8.9	<45	<8.9	<45	62
P-3	7/8/2022	4'	<0.024	<0.048	<0.048	<0.098	<0.10	<4.8	<15	<49	<15	<49	1,200
P-3/A	8/25/2022	6'	<0.020	<0.041	<0.041	<0.082	<0.08	<4.1	<15	<49	<15	<49	400
P-4	7/8/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	1,600
P-4A	3/11/2024	10'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	180
P-5	7/8/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<45	<14	<45	4,300
P-5A	3/11/2024	10'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	11	<49	<9.7	<49	320
P-6	7/8/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	1,700
P-6A	3/11/2024	11'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<46	<9.3	<46	180
P-7	7/8/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<50	<15	<50	2,400
P-7/A	8/5/2022	7'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	660
P-7B	8/25/2022	8'	<0.021	<0.042	<0.042	<0.084	<0.08	<4.2	<14	<47	<14	<47	<60
P-8	7/8/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<48	<15	<48	740
P-8/B	8/25/2022	8'	<0.016	<0.033	<0.033	<0.066	<0.07	<3.3	<14	<47	<14	<47	1,000
P-8C	3/11/2024	11'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.5	<48	<9.5	<48	<60
P-9	7/8/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<46	<14	<46	720
P-9/A	8/5/2022	8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	170
P-10	7/8/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<48	<15	<48	1,300
P-10/A	8/5/2022	8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	<60
P-11	7/8/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	2,200
P-11/A	8/5/2022	7'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	180
P-12	7/8/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	180
P-13	7/8/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	590
P-14	7/8/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	230
P-15	7/8/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	580
P-16	7/8/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	900
P-16/A	8/25/2022	6'	<0.018	<0.035	<0.035	<0.071	<0.07	<3.5	<15	<48	<15	<48	960
P-16B	3/11/2024	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<47	<9.5	<47	190
P-17	7/8/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	490
P-18	7/8/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	67
P-19	7/8/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	190
P-20	7/8/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	220
P-21	7/8/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	68
P-22	7/8/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<50	<15	<50	470

Excavation Wall Soil Samples

EW-1	5/25/2022	0'-8"	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.1	<46	<9.1	<46	720
EW-1A	6/9/2022	0'-8"	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<15	<49	<15	<49	480
EW-2	5/16/2022	0'-8"	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.5	<48	<9.5	<48	240
EW-3	5/25/2022	0'-8"	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	840
EW-3A	6/9/2022	0'-8"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	470
EW-4	5/25/2022	0'-8"	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<8.2	<41	<8.2	<41	550
EW-5	6/25/2022	0'-8"	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	700
EW-5A	6/9/2022	0'-8"	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	470
EW-5B	7/12/2022	0'-8"	<0.027	<0.055	<0.055	<0.11	<0.11	<5.5	<14	<48	<14	<48	<60
EW-6	5/25/2022	0'-8"	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.7	<48	<9.7	<48	750
EW-6A	6/9/2022	0'-8"	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<46	<14	<46	470
EW-6B	7/12/2022	0'-7"	<0.020	<0.039	<0.039	<0.079	<0.08	<3.9	<15	<49	<15	<49	<60
EW-6B.1	7/12/2022	0'-6"	<0.018	<0.036	<0.036	<0.073	<0.07	<3.6	<15	<50	<15	<50	<60
EW-7	6/20/2022	4'-8"	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	360
EW-8	6/20/2022	4'-8"	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<47	<14	<47	360
EW-9	6/3/2022	0'-6"	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	340
EW-10	6/3/2022	0'-6"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	290
EW-11	6/3/2022	0'-6"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	270
EW-12	6/3/2022	0'-6"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	130
EW-13	6/3/2022	0'-6"	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<46	<14	<46	310
EW-14	6/6/2022	4'-6"	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	170
EW-14/A	8/5/2022	4'-9"	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	230
EW-15	6/6/2022	4'-6"	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	160
EW-16	6/6/2022	6'-8"	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<45	<14	<45	160
EW-17	6/7/2022	0'-6"	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	84
EW-18	6/20/2022	8'-9"	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<13	<44	<13	<44	880
EW-18A	7/26/2022	8'-11"	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	130
EW-19	7/7/2022	6'-8"	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	740
EW-19A	7/26/2022	6'-8"	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	150
EW-20	8/25/2022	6'-10"	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	440
EW-24	8/25/2022	6'-11"	<0.024	<0.042	<0.042	<0.084	<0.08	<4.2	<15	<49	<15	<49	980

Sample Area EW-21 was ultimately addressed during the remediation of adjacent base excavation areas. Due to the completed depths, no wall area was available for sampling

PW-1	7/8/2022	0-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	320
PW-2	7/8/2022	0-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<48	<14	<48	1,500
PW-2/A	8/5/2022	4'-9"	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	<60
PW-3	7/8/2022	0-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<49	<14	<49	2,300

Sample Area PW-3 was ultimately over-excavated during the remediation activities in the Northern Wall Pad Area (NMOCD Incident #nAPP2123047534)

PW-4	7/8/2022	0-4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	3,700
PW-4/A	8/5/2022	0'-9"	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	<60
PW-5	7/8/2022	0-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<48	<15	<48	5,100
PW-6	7/8/2022	0-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	680
NPW-6	5/24/2024	6'-10"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.5	<43	<8.5	<43	230

NA = Not Analyzed
 TPH = Total Petroleum Hydrocarbons
 mg/Kg = Milligrams per Kilogram

EASTERN OFF-PAD AREA
CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
NPW-7	5/24/2024	0'-6'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<8.7	<43	<8.7	<43	250
NPW-8	5/24/2024	0'-8'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.9	<49	<9.9	<49	230
PW-7	7/8/2022	0-6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	220
PW-8	7/8/2022	0-6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	82
PW-9	7/8/2022	0-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	330
PW-10	7/12/2022	0-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	<60
PW-11	7/8/2022	0-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	<60
P-16B-W1	3/11/2024	6'-14"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.9	<49	<9.9	<49	140
P-16B-W2	3/11/2024	6'-14"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.6	<48	<9.6	<48	<61
P-8C-W1	3/11/2024	8'-11"	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.4	<47	<9.4	<47	300
P-8C-W2	3/11/2024	8'-11"	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.7	<49	<9.7	<49	440
P-6A-W1	3/11/2024	6'-11"	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<49	<9.9	<49	420
P-6A-W2	3/11/2024	6'-11"	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	240
P-4A-W1	3/11/2024	6'-10"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.4	<47	<9.4	<47	270
P-4A-W2	3/11/2024	6'-10"	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	11	<47	11	11	260
P-2B-W1	4/17/2024	4'-8"	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<47	<9.5	<47	360
P-2B-W2	4/17/2024	4'-8"	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.1	<45	<9.1	<45	300
P-2B-W3	4/17/2024	4'-8"	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.4	<47	<9.4	<47	360
EX-38A-W1	3/11/2024	6'-14"	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<9.3	<47	210
EX-38A-W2	3/11/2024	6'-14"	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.2	<46	<9.2	<46	240
EX-41A-W1	3/11/2024	6'-12"	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.8	<49	<9.8	<49	300
EX-43B-W1	3/11/2024	9'-12"	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<10	<50	<10	<50	410
EX-43B-W2	3/11/2024	9'-12"	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<48	<9.5	<48	260

19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')	10	---	---	---	50	---	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)	10³				50³						100³	600

Notes:

- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
- Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
- Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of the Spill Rule* (19.15.29 NMAC) dated September 6, 2019.
- Strikethrough Indicates that a sample area has been over-excavated.

SOUTHERN OFF-PAD AREA
CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Base Soil Samples													
S-1	7/28/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	420
S-2	7/28/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	620
S-2A	8/16/2022	4'-5.5'	<0.020	<0.041	<0.041	<0.081	<0.08	<4.1	<15	<49	<15	<49	390
S-3	7/28/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<46	<14	<46	340
S-4	7/28/2022	4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	350
S-5	7/28/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	600
S-6	7/28/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<48	<15	<48	630
S-6/A	8/16/2022	6'	<0.019	<0.038	<0.038	<0.077	<0.08	<3.8	<14	<47	<14	<47	490
S-7	7/28/2022	4'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	350
S-8	7/28/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	320
S-9	7/28/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	370
S-10	7/28/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	620
S-10/A	8/16/2022	4.5'	<0.024	<0.048	<0.048	<0.096	<0.10	<3.5	<15	<50	<15	<50	480
S-11	7/28/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	520
S-12	7/28/2022	4'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	130
S-13	7/28/2022	4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	300
S-14	7/28/2022	4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	350
S-15	7/28/2022	4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	420
S-16	7/28/2022	4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	360
Excavation Side Wall Soil Samples													
B-1	8/5/2022	8'-9'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	410
B-2	8/5/2022	8'-9'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	470
B-3	8/5/2022	8'-9'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<15	<49	<15	<49	450
B-4	8/5/2022	8'-9'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<48	<15	<48	410
B-5	8/5/2022	8'-9'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<48	<15	<48	450
B-6	8/5/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	440
B-7	8/5/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	390
B-8	8/6/2022	8'	<0.026	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	990
B-8A	8/24/2022	8.5'	<0.018	<0.035	<0.035	<0.070	<0.07	<3.5	<14	<47	<14	<47	<60
B-9	8/5/2022	8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	1,000
B-9A	8/24/2022	9.5'	<0.019	<0.039	<0.039	<0.077	<0.08	<3.9	<14	<47	<14	<47	<60
B-10	8/5/2022	8'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<15	<49	<15	<49	580
B-11	8/5/2022	8'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	990
B-11A	8/25/2022	8'-10'	<0.020	<0.041	<0.041	<0.081	<0.08	<4.1	<14	<48	<14	<48	990
B-11/B	9/7/2022	12'	<0.019	<0.039	<0.039	<0.078	<0.08	<3.9	<14	<46	<14	<46	<60
B-12	8/5/2022	8'	<0.026	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	770
B-12A	8/24/2022	8.5'	<0.016	<0.033	<0.033	<0.065	<0.07	<3.3	<15	<50	<15	<50	<60
B-13	8/5/2022	8'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	360
Excavation Side Wall Soil Samples													
SW-1	7/28/2022	0'-4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<13	<43	<13	<43	<60
SW-2	7/28/2022	0'-4'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<13	<45	<13	<45	<59
SW-3	7/28/2022	0'-4'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	15	<48	15	<48	<60
SW-4	7/28/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	650
SW-4A	8/16/2022	0'-4'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<15	<49	<15	<49	510
SW-5	7/28/2022	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	100
SW-6	7/28/2022	0'-4'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	160
SW-7	7/28/2022	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	100
Excavation Side Wall Soil Samples													
W-1	8/5/2022	0'-6'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<15	<49	<15	<49	560
W-2	8/6/2022	0'-8'	<0.026	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	2,200
W-2/A	8/25/2022	0'-8'	<0.022	<0.043	<0.043	<0.087	<0.09	<4.3	<14	<48	<14	<48	900
W-2B	11/25/2024	0-8'	<0.024	<0.048	<0.048	<0.095	<0.01	<4.8	<9.5	<47	<9.5	<47	350
W-3	8/5/2022	0'-8'	<0.024	<0.048	<0.048	<0.098	<0.10	<4.9	<14	<49	<14	<49	2,300
W-3A	8/25/2022	0'-6'	<0.023	<0.045	<0.045	<0.090	<0.09	<4.5	<14	<47	<14	<47	310
W-4	8/5/2022	0'-9'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	510
W-5	8/5/2022	4'-8'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	900
W-5/A	8/16/2022	4'-8'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<15	<50	<15	<50	460
W-6	8/5/2022	0'-8'	<0.026	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,100
W-6A	8/16/2022	0'-8'	<0.018	<0.036	<0.036	<0.072	<0.07	<3.6	<15	<49	<15	<49	580
W-7	8/5/2022	0'-8'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	360
W-8	8/5/2022	0'-8'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	420
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')			10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10³	---	---	---	50³	---	---	---	---	100³	600

Notes:

- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
- Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
- Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.
- Strikethrough Indicates that a sample area has been over-excavated.

**PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA)
 CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
 ROY SWD #3
 EDDY COUNTY, NEW MEXICO**

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
EASTERN PIT AREA CONFIRMATION SOIL SAMPLES													
Eastern Pit Area Excavation Base Soil Samples													
PBA-1	4/17/2024	12'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<10	<50	<10	<50	180
PBA-2	4/17/2024	12'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<49	<9.9	<49	180
PBA-3	4/17/2024	12'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.2	<46	<9.2	<46	170
PBA-4	4/17/2024	12'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.9	<50	<9.9	<50	300
PBA-5	4/17/2024	12'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<48	<9.5	<48	260
PBA-6	4/17/2024	12'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<50	<9.9	<50	330
PBA-7	4/17/2024	12'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<8.9	<45	<8.9	<45	300
PBA-8	4/17/2024	12'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.9	<44	<8.9	<44	300
PBA-9	4/17/2024	12'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<10	<50	<10	<50	310
PBA-10	4/17/2024	12'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	10	<50	10	10	280
PBA-11	4/17/2024	12'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	300
PBA-12	4/17/2024	12'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	290
PBA-13	4/17/2024	12'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<8.5	<42	<8.5	<42	300
PBA-14	4/17/2024	12'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	250
PBA-15	4/17/2024	12'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.5	<47	<9.5	<47	220
PBA-16	5/8/2024	14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<49	<9.7	<49	140
PBA-17	5/8/2024	12'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.4	<47	<9.4	<47	180
PBA-18	5/8/2024	24'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.2	<46	<9.2	<46	150
PBA-19	5/8/2024	23'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.1	<45	<9.1	<45	200
PBA-20	5/8/2024	22'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<8.9	<45	<8.9	<45	180
PBA-21	5/8/2024	18'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	130
PBA-22	5/8/2024	22'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	160
PBA-23	5/8/2024	23'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.2	<46	<9.2	<46	150
PBA-24	5/8/2024	24'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	140
PBA-25	5/8/2024	14'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<49	<9.7	<49	150
PBA-26	5/8/2024	12'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.0	<45	<9.0	<45	180
PBA-27	5/8/2024	12'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.1	<46	<9.1	<46	170
Eastern Pit Area Excavation Wall Soil Samples													
PWA-1	4/17/2024	3'-12'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.4	<47	<9.4	<47	290
PWA-2	4/17/2024	3'-12'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<10	<50	<10	<50	340
PWA-3	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<48	<9.7	<48	300
PWA-4	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<49	<9.7	<49	310
PWA-5	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.5	<47	<9.5	<47	310
PWA-6	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	250
PWA-7	4/17/2024	3'-12'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.8	<49	<9.8	<49	270
PWA-8	4/17/2024	3'-12'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.8	<49	<9.8	<49	250
PWA-9	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	320
PWA-10	4/17/2024	3'-12'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.4	<47	<9.4	<47	410
PWA-11	5/8/2024	12'-24'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	150
PWA-12	5/8/2024	12'-24'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.3	<46	<9.3	<46	100
PWA-13	5/8/2024	13'-24'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.8	<49	<9.8	<49	180
PWA-14	5/8/2024	12'-24'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<8.8	<44	<8.8	<44	180
PWA-15	5/8/2024	12'-14'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.5	<47	<9.5	<47	160
PWA-16	5/8/2024	12'-23'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<8.6	<43	<8.6	<43	190
PWA-17	5/8/2024	14'-23'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.6	<43	<8.6	<43	130
PWA-18	5/8/2024	12'-22'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<47	<9.5	<47	120
PWA-19	5/8/2024	12'-18'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<8.5	<42	<8.5	<42	100
PWA-20	5/8/2024	12'-22'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	160
PWA-21	5/8/2024	18'-23'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.8	<49	<9.8	<49	190
PWA-22	5/8/2024	12'-22'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.5	<47	<9.5	<47	200
PWA-23	5/8/2024	12'-23'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	190
PWA-24	5/8/2024	12'-24'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.0	<45	<9.0	<45	170
PWA-25	5/8/2024	12'-24'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.7	<49	<9.7	<49	210
PWA-26	5/8/2024	14'-24'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	230

PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA) CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA ROY SWD #3 EDDY COUNTY, NEW MEXICO All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
PIT "SURFACE" CONFIRMATION SOIL SAMPLES													
PIT "SURFACE" AREA EXCAVATION BASE SOIL SAMPLES													
PS-1	5/16/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<49	<9.7	<49	70
PS-2	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<8.6	<43	<8.6	<43	140
PS-3	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.3	<46	<9.3	<46	96
PS-4	5/16/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.4	<47	<9.4	<47	290
PS-5	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.0	<45	<9.0	<45	95
PS-6	5/16/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.3	<47	<9.3	<47	83
PS-7	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.3	<46	<9.3	<46	82
PS-8	5/16/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.4	<47	<9.4	<47	130
PS-9	5/16/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<10	<50	<10	<50	100
PS-10	5/16/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<48	<9.5	<48	120
PS-11	5/16/2024	4'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.5	<48	<9.5	<48	350
PS-12	5/16/2024	4'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	95
PS-13	5/16/2024	4'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.1	<45	<9.1	<45	140
PS-14	5/16/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<50	<9.9	<50	95
PS-15	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.0	<45	<9.0	<45	450
PS-16	5/16/2024	0-4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.7	<49	<9.7	<49	240
PS-17	5/16/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.2	<46	<9.2	<46	740
PS-17A	7/12/2024	5'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<8.9	<44	<8.9	<44	240
PS-17A	8/6/2024	5'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.6	<48	<9.6	<48	270
PS-18	5/16/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.1	<46	<9.1	<46	240
PS-19	5/16/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.1	<46	<9.1	<46	210
PS-20	5/16/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.8	<44	<8.8	<44	69
PS-21	5/16/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<8.8	<44	<8.8	<44	<60
PS-22	5/16/2024	0-4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.4	<47	<9.4	<47	100
PS-23	5/16/2024	0-4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	24	<47	24	24	<60
PS-24	5/16/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.9	<44	<8.9	<44	<60
PS-25	5/16/2024	4'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.7	<48	<9.7	<48	<59
PS-26	5/16/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.1	<45	<9.1	<45	180
PS-27	5/16/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.2	<46	<9.2	<46	<60
PS-28	5/16/2024	4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<8.9	<45	<8.9	<45	180
PS-29	5/16/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.3	<47	<9.3	<47	<60
PS-30	5/16/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	<60
PS-31	5/16/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.6	<48	<9.6	<48	<60
PS-32	5/16/2024	4'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.8	<49	<9.8	<49	<61
PS-33	5/16/2024	4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	<59
PS-34	5/16/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<47	<9.5	<47	<60
PS-35	5/16/2024	4'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<8.8	<44	<8.8	<44	64
PS-36	5/16/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.0	<45	<9.0	<45	68
PS-37	5/16/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.2	<46	<9.2	<46	120
PS-38	5/16/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.4	<47	<9.4	<47	110
PS-39	5/16/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	<60
PS-40	5/16/2024	4'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	150
PS-41	8/2/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	850
PS-41A	8/29/2024	5'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	280
PS-42	8/2/2024	4'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.5	<47	<9.5	<47	290
PS-43	8/2/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	520
PS-44	8/2/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.3	<47	<9.3	<47	520
PS-45	8/2/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<48	<9.5	<48	490
PS-46	8/2/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	680
PS-46A	8/29/2024	5'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.8	<49	<9.8	<49	<60
PS-47	8/2/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	340
PS-48	8/2/2024	4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	660
PS-48A	8/29/2024	5'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<48	<9.5	<48	310
PS-49	8/2/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.0	<45	<9.0	<45	1,200
PS-49A	8/29/2024	5'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.8	<49	<9.8	<49	370
PS-50	8/2/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<47	<9.5	<47	630
PS-50A	8/29/2024	5'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<50	<9.9	<50	540
PS-51	8/2/2024	4'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<49	<9.9	<49	1,300
PS-51A	8/29/2024	5'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.8	<49	<9.8	<49	230
PS-52	8/2/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<48	<9.7	<48	360
PS-53	8/2/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.1	<46	<9.1	<46	420
PS-54A	8/29/2024	5'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<10	<50	<10	<50	600
PS-55	8/13/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<49	<9.9	<49	1,300
PS-55A	8/29/2024	5'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	12	<49	12	12	450
PS-56	8/13/2024	4'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.7	<49	<9.7	<49	420
PS-57	8/13/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<49	<9.7	<49	290
PS-58	8/13/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	1,100

PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA)
 CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
 ROY SWD #3
 EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
PS-58A	8/29/2024	5'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.2	<46	<9.2	<46	520
PS-59	8/4/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<47	<9.7	<47	690
PS-59A	8/29/2024	5'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<48	<9.7	<48	210
PS-60	9/17/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.9	<49	<9.9	<49	1,800
PS-60A	10/17/2024	5'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.1	<45	<9.1	<45	85
PS-61	9/17/2024	4'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.5	<47	<9.5	<47	200
PS-62	9/17/2024	4'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.9	<49	<9.9	<49	200
PS-63	9/17/2024	4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.7	<48	<9.7	<48	130
PS-64	9/17/2024	4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.3	<46	<9.3	<46	160
PS-65	9/17/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.7	<49	<9.7	<49	68
PS-66	9/17/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<49	<9.9	<49	290
PS-67	9/17/2024	4'	<0.026	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	5,200
PS-67A	10/3/2024	5'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.9	<49	<9.9	<49	170
PS-68	9/17/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<49	<9.7	<49	6,300
PS-68A	10/3/2024	5'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.8	<49	<9.8	<49	200
PS-69	9/17/2024	4'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.7	<48	<9.7	<48	1,800
PS-69A	10/3/2024	5'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.4	<47	<9.4	<47	200
PS-70	9/17/2024	4'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.3	<47	<9.3	<47	400
PS-71	9/17/2024	4'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<49	<9.9	<49	300
PS-72	9/17/2024	4'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.7	<49	<9.7	<49	150
PS-73	10/3/2024	0-4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.8	<49	<9.8	<49	1,200
PS-73A	10/17/2024	0-5'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.7	<48	<9.7	<48	72
PS-74	10/3/2024	0-4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<47	<9.5	<47	1,500
PS-74A	10/17/2024	0-5'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	86
PS-75	10/3/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	1,300
PS-75A	10/17/2024	5'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.8	<49	<9.8	<49	210
PS-76	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	110
PS-77	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<8.6	<43	<8.6	<43	110
PS-78	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.0	<45	<9.0	<45	160
PS-79	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.0	<45	<9.0	<45	140
PS-80	10/8/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<8.8	<44	<8.8	<44	120
PS-81	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	150
PS-82	10/8/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<8.7	<44	<8.7	<44	130
PS-83	10/8/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	190
PS-84	10/8/2024	4'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<8.6	<43	<8.6	<43	120
PS-85	10/8/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.0	<45	<9.0	<45	180
PS-86	10/8/2024	4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.8	<49	<9.8	<49	99
PS-87	10/8/2024	4'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<47	<9.5	<47	100
PS-88	10/8/2024	4'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.1	<45	<9.1	<45	310
PS-89	10/8/2024	4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.4	<47	<9.4	<47	99
PS-90	10/8/2024	4'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.4	<47	<9.4	<47	94
PS-91	10/8/2024	4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.1	<46	<9.1	<46	<60
PS-92	10/8/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.1	<45	<9.1	<45	96
PS-93	10/8/2024	4'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<49	<9.7	<49	150
PS-94	10/8/2024	4'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<8.4	<42	<8.4	<42	69
PS-95	10/8/2024	4'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.1	<46	<9.1	<46	220

PIT "SURFACE" AREA EXCAVATION WALL SOIL SAMPLES

P2-W22	8/2/2024	0'-4'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.1	<46	<9.1	<4.6	480
P2-W23	8/2/2024	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<47	<9.5	<47	530
P2-W24	8/2/2024	0'-4'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.4	<47	<9.4	<47	490
P2-W25	8/2/2024	0'-4'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.9	<50	<9.9	<50	470
P2-W26	8/2/2024	0'-4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	540
P2-W27	8/2/2024	0'-4'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<10	<50	<10	<50	520
P2-W28	8/2/2024	0'-4'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<47	<9.5	<47	1,000
P2-W28A	9/17/2024	0'-4'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.4	<47	<9.4	<47	2,700
P2-W28B	10/3/2024	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.7	<49	<9.7	<49	1,800
P2-W28C	10/17/2024	0-4'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.0	<45	<9.0	<45	140
P2-W29	8/2/2024	0'-4'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.6	<48	<9.6	<48	420
P2-W30	8/2/2024	0'-4'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	500

NPW-1	5/24/2024	6'-11'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.7	<48	<9.7	<48	210
NPW-2	5/24/2024	6'-11'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.0	<45	<9.0	<45	210
NPW-3	5/24/2024	0'-6'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<8.9	<45	<8.9	<45	210
NPW-4	5/24/2024	0'-10'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	220
NPW-5	5/24/2024	6'-10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<8.8	<44	<8.8	<44	200
NPW-6	5/24/2024	6'-10'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.5	<43	<8.5	<43	230
NPW-7	5/24/2024	0'-6'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<8.7	<43	<8.7	<43	250
NPW-8	5/24/2024	0'-8'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.9	<49	<9.9	<49	230

PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA) CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA ROY SWD #3 EDDY COUNTY, NEW MEXICO All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
WESTERN PIT AREA CONFIRMATION SOIL SAMPLES													
<i>Western Pit Area Base Samples</i>													
P2-B1	8/2/2024	43'	<0.024	<0.049	<0.049	<0.097	<0.4	<4.9	<8.5	<42	<8.5	<42	1,400
P2-B-1A	8/29/2024	13.5'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.5	<47	<9.5	<47	470
P2-B2	8/13/2024	11'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.3	<46	<9.3	<46	380
P2-B3	8/13/2024	44'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.4	<47	<9.4	<47	1,400
P2-B3A	11/12/2024	19'	<0.017	<0.035	<0.035	<0.069	<0.1	<3.5	<9.3	<47	<9.3	<47	61
P2-B4	8/13/2024	44'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<49	<9.9	<49	1,400
P2-B4A	11/12/2024	19'	<0.020	<0.040	<0.040	<0.079	<0.1	<4.0	<9.7	<48	<9.7	<48	300
P2-B5	8/2/2024	11'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	280
P2-B6	8/2/2024	44'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<50	<9.9	<50	630
P2-B-6A	8/29/2024	13'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<10	<50	<10	<50	210
P2-B7	8/2/2024	11'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<48	<9.7	<48	420
P2-B8	7/12/2024	10'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.1	<45	<9.1	<45	100
P2-B9	7/12/2024	10'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	10	<49	10	10	170
P2-B10	7/12/2024	10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<48	<9.7	<48	150
P2-B11	7/12/2024	10'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.9	<49	<9.9	<49	210
P2-B12	7/12/2024	10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<8.7	<44	<8.7	<44	170
P2-B-13	8/29/2024	13'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	200
P2-B14	8/2/2024	43'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.6	<48	<9.6	<48	990
P2-B-14A	8/29/2024	13.5'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<47	<9.5	<47	480
P2-B15	8/2/2024	11'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.9	<49	<9.9	<49	290
P2-B16	8/2/2024	11'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<48	<9.7	<48	330
P2-B17	7/12/2024	10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<49	<9.7	<49	130
P2-B18	8/2/2024	11'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	520
P2-B19	8/2/2024	13'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.3	<47	<9.3	<47	280
P2-B20	8/13/2024	13'	<0.0023	<0.046	<0.046	<0.093	<0.1	<4.6	19	<47	19	19	130
P2-B21	8/2/2024	11'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	460
P2-B22	7/12/2024	10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<49	<9.9	<49	280
P2-B23	8/13/2024	47'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.4	<47	<9.4	<47	1,400
P2-B-23A	8/29/2024	20'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<47	<9.5	<47	250
P2-B24	7/12/2024	10'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.8	<43	<9.8	<43	69
P2-B25	8/2/2024	11'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.7	<49	<9.7	<49	460
P2-B26	8/2/2024	13'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<8.4	<42	<8.4	<42	510
P2-B27	7/12/2024	10'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.8	<49	<9.8	<49	370
P2-B28	7/12/2024	10'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<8.6	<43	<8.6	<43	280
P2-B29	8/13/2024	43'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.5	<47	<9.5	<47	320
P2-B-29A	8/29/2024	15'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.3	<46	<9.3	<46	190
P2-B30	8/2/2024	44'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	1,200
P2-B-30A	8/29/2024	17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.8	<47	<9.8	<47	430
P2-B31	7/12/2024	10'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.3	<46	<9.3	<46	270
P2-B32	8/13/2024	13'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.0	<45	<9.0	<45	370
P2-B33	8/2/2024	44'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<49	<9.7	<49	1,300
P2-B-33A	8/29/2024	15'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.4	<47	<9.4	<47	500
P2-B34	8/2/2024	43'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<47	<9.5	<47	1,500
P2-B-34A	8/29/2024	15'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.6	<48	<9.6	<48	290
P2-B35	8/13/2024	19'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.4	<47	<9.4	<47	340
P2-B36	8/2/2024	47'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.7	<48	<9.7	<48	1,400
P2-B-36A	8/29/2024	15'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.7	<48	<9.7	<48	270
P2-B37	8/13/2024	49'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.9	<50	<9.9	<50	1,400
P2-B-37A	8/29/2024	20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.2	<46	<9.2	<46	190
P2-B38	8/2/2024	15'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<48	<9.5	<48	480
P2-B39	8/13/2024	49'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.4	<47	<9.4	<47	650
P2-B-39A	8/29/2024	20'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.4	<47	<9.4	<47	200
P2-B40	8/13/2024	49'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	170	210	170	380	490
P2-B-40A	8/29/2024	20'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.1	<45	<9.1	<45	190
P2-B41	8/2/2024	46'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.8	<49	<9.8	<49	970
P2-B-41A	8/29/2024	20'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	220
P2-B42	8/2/2024	15'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<50	<9.9	<50	330
P2-B43	8/2/2024	43'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.9	<50	<9.9	<50	1,400
P2-B-43A	8/29/2024	20'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.3	<47	<9.3	<47	200
P2-B44	8/13/2024	19'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.2	<46	<9.2	<46	180
P2-B45	8/13/2024	19'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.3	<47	<9.3	<47	560
P2-B46	8/13/2024	49'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<10	<50	<10	<50	1,400
P2-B-46A	8/29/2024	17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	210
P2-B47	8/2/2024	43'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	1,500
P2-B-47A	8/29/2024	17'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<48	<9.7	<48	240
P2-B48	8/13/2024	19'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	450

**PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA)
 CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
 ROY SWD #3
 EDDY COUNTY, NEW MEXICO**

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
P2-B49	8/13/2024	19'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.6	<48	<9.6	<48	150
P2-B50	8/2/2024	43'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.2	<46	<9.2	<46	1,200
P2-B-50A	8/29/2024	20'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.8	<49	<9.8	<49	240
P2-B51	8/2/2024	43'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	1,900
P2-B-51A	8/29/2024	20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.3	<47	<9.3	<47	190
P2-B52	8/2/2024	43'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.5	<47	<9.5	<47	1,400
P2-B-52A	8/29/2024	17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.4	<47	<9.4	<47	250
P2-B53	8/2/2024	44'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<48	<9.5	<48	1,200
P2-B-53A	8/29/2024	20'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.4	<47	<9.4	<47	450
P2-B54	8/2/2024	11'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	550
P2-B55	8/2/2024	11'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.7	<48	<9.7	<48	490
P2-B56	11/12/2024	19'	<0.021	<0.042	<0.042	<0.084	<0.1	<4.2	<9.6	<48	<9.6	<48	300
PS-R1	11/12/2024	4'-19'	<0.021	<0.041	<0.041	<0.082	<0.1	<4.1	<9.6	<48	<9.6	<48	270

Western Pit Excavation Sidewall Samples

P2-W1	7/12/2024	4'-10'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	160
P2-W2	7/12/2024	4'-10'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	11	<48	11	11	220
P2-W3	7/12/2024	4'-10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	11	<49	11	11	110
P2-W4	7/12/2024	4'-10'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	17	<47	17	17	85
P2-W5	7/12/2024	4'-10'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<8.9	<45	<8.9	<45	280
P2-W6	7/12/2024	4'-10'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	170
P2-W7	7/12/2024	0'-10'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.6	<48	<9.6	<48	220
P2-W8	7/12/2024	0'-10'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.7	<49	<9.7	<49	110
P2-W9	7/12/2024	0'-10'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.2	<46	<9.2	<46	200
P2-W10	7/12/2024	4'-10'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	11	<49	11	11	160
P2-W11	7/12/2024	4'-10'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	10	<49	10	10	340
P2-W12	7/12/2024	4'-10'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.3	<46	<9.3	<46	140
P2-W13	7/12/2024	4'-10'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.8	<49	<9.8	<49	360
P2-W14	7/12/2024	4'-10'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.9	<50	<9.9	<50	190
P2-W15	7/12/2024	4'-10'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<48	<9.5	<48	280
P2-W16	7/12/2024	4'-10'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<48	<9.5	<48	120
P2-W17	7/12/2024	4'-10'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	10	<46	10	10	95
P2-W18	7/12/2024	4'-10'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	11	<47	11	11	130
P2-W19	7/12/2024	4'-10'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.8	<49	<9.8	<49	180
P2-W20	7/12/2024	4'-10'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<47	<9.5	<47	140
P2-W21	7/12/2024	4'-10'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	22	<46	22	22	110
PS-W31	9/17/2024	10'-20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.9	<49	<9.9	<49	140
P2-W32	9/17/2024	10'-13'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	120
P2-W33	9/17/2024	10'-20'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.8	<49	<9.8	<49	160
P2-W34	9/17/2024	10'-20'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<50	<9.9	<50	310
P2-W35	9/4/2024	49'-43'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	770
P2-W35A	10/3/2024	10'-13'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.9	<50	<9.9	<50	160
P2-W36	9/17/2024	10'-20'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<50	<9.9	<50	430
P2-W37	11/12/2024	10'-17'	<0.019	<0.039	<0.039	<0.077	<0.1	<3.9	<9.5	<48	<9.5	<48	300
P2-W38	11/12/2024	4'-19'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.9	<49	<9.9	<49	180
P2-W39	11/12/2024	4'-19'	<0.021	<0.041	<0.041	<0.082	<0.1	<4.1	<9.2	<46	<9.2	<46	390
P2-W40	11/12/2024	4'-19'	<0.022	<0.043	<0.043	<0.087	<0.1	<4.3	<9.7	<48	<9.7	<48	<61
P2-W41	11/12/2024	10'-13'	<0.019	<0.038	<0.038	<0.076	<0.1	<3.8	<9.8	<49	<9.8	<49	<60

Western Pit Excavation Interior Excavation Wall Samples

P2-IW1	9/17/2024	10'-13'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<10	<50	<10	<50	120
P2-IW2	9/17/2024	10'-13'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<50	<9.9	<50	310
P2-IW2.2	9/17/2024	40'-43'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.6	<48	<9.6	<48	3,700
P2-IW2.2A	4/3/2024	40'-43'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	1,200
P2-IW2.2B	10/17/2024	10'-13'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.7	<49	<9.7	<49	270
P2-IW3	9/17/2024	10'-15'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	210
P2-IW4	9/17/2024	10'-19'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.8	<49	<9.8	<49	330
P2-IW5	9/17/2024	11'-19'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	110
P2-IW6	9/17/2024	10'-15'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<48	<9.7	<48	110
P2-IW6.6	9/17/2024	40'-15'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.1	<46	<9.1	<46	9,200
P2-IW6.6A	4/3/2024	40'-15'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<48	<9.7	<48	7,500
P2-IW6.6C	10/17/2024	10'-15'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<48	<9.7	<48	290
P2-IW7	9/17/2024	10'-20'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	190
P2-IW8	9/17/2024	44'-20'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.3	<46	<9.3	<46	4,800
P2-IW8A	4/3/2024	44'-20'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<49	<9.7	<49	2,900
P2-IW8B	10/17/2024	11'-20'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	240
P2-IW9	9/17/2024	10'-20'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.9	<49	<9.9	<49	170
P2-IW10	9/17/2024	44'-20'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<48	<9.7	<48	2,400
P2-IW10A	4/3/2024	44'-20'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.3	<46	<9.3	<46	7,600

PIT AREA (EASTERN PIT AREA, PIT "SURFACE" AREA, & WESTERN PIT AREA)
 CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
 ROY SWD #3
 EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
P2-IW10B	10/17/2024	11'-20"	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	370
P2-IW11	9/17/2024	11-13'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.6	<48	<9.6	<48	2,300
P2-IW11A	10/3/2024	11-13.5'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.3	<46	<9.3	<46	570
P2-IW12	9/17/2024	13-20'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.7	<49	<9.7	<49	2,100
P2-IW12A	10/3/2024	13-20'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<10	<50	<10	<50	7,400
P2-IW12B	10/17/2024	13-20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.5	<48	<9.5	<48	200
P2-IW13	9/17/2024	10-20'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<48	<9.5	<48	160
P2-IW14	9/17/2024	10-20'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	190
P2-IW15	9/17/2024	10-20'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.4	<47	<9.4	<47	280
P2-IW16	9/17/2024	10-20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.5	<48	<9.5	<48	470
P2-IW17	9/17/2024	16-20'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<47	<9.5	<47	680
P2-IW17A	10/3/2024	16-20'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.3	<46	<9.3	<46	7,000
P2-IW17B	10/17/2024	15-20'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<48	<9.7	<48	230
P2-IW18	9/17/2024	13-20'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.9	<50	<9.9	<50	460
P2-IW19	11/12/2024	13-17'	<0.018	<0.036	<0.036	<0.072	<0.1	<3.6	<9.4	<47	<9.4	<47	260
P2-IW20	11/12/2024	11-19'	<0.020	<0.041	<0.041	<0.081	<0.1	<4.1	<9.1	<46	<9.1	<46	<60
P2-IW21	11/12/2024	17-19'	<0.019	<0.039	<0.039	<0.078	<0.1	<3.9	<9.9	<49	<9.9	<49	180
P2-IW22	11/12/2024	11-17'	<0.017	<0.035	<0.035	<0.070	<0.1	<3.5	<10	<50	<10	<50	200
P2-IW23	11/12/2024	17-20'	<0.020	<0.040	<0.040	<0.080	<0.1	<4.0	<9.4	<47	<9.4	<47	320
P2-IW24	11/12/2024	11-20'	<0.016	<0.033	<0.033	<0.066	<0.1	<3.3	<9.5	<47	<9.5	<47	<60

19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')	10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)	10³				50³					100³	600

- Notes:
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
 2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
 3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.
 4. Strikethrough Indicates that a sample area has been over-excavated.

ATTACHMENT 1 – PHOTOGRAPHIC
DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the Eastern Off-Pad Area during over-excavation in March 2024. The view is towards the southwest.



PHOTOGRAPH NO. 2 – A view of the Eastern Off-Pad Area upon completion. The view is towards the southeast.



Mar 11, 2024 at 1:07:28 PM
+32.670211,-104.517017
Artesia NM 88210
United States

PHOTOGRAPH NO. 3 – An additional view of the Eastern Off-Pad area upon completion. The view is towards the northeast.



08.16.2022

PHOTOGRAPH NO. 4 – A view of the Southern Off-Pad Area during remedial efforts in 2022. The view is towards the southwest.

Approximate GPS Coordinates: 32.669889, -104.517154



PHOTOGRAPH NO. 5 – An additional view of the Southern Off-Pad Area. The view is towards the southwest.

Approximate GPS Coordinates: 32.670061, -104.517016



PHOTOGRAPH NO. 6 – A current view of the Southern Off-pad area collected from the excavated Pit “Surface” Area. The view is towards the southwest.



PHOTOGRAPH NO. 7 – A view of the Western Pit Area upon completion. The view is towards the south.



PHOTOGRAPH NO. 8 – An additional view of the Western Pit Area upon completion. The view is towards the northeast.



PHOTOGRAPH NO. 9 – A view of the Pit “Surface” Area during the remediation process. The view is towards the north.



PHOTOGRAPH NO. 10 – A general view of the removal operations in the Pit “Surface” Area and Western Pit Area.



PHOTOGRAPH NO. 11 – A view of the Pit “Surface” Area and Western Pit Areas during remedial efforts.



PHOTOGRAPH NO. 12 – A view of the Wester Pit Area upon completion. The view is to the northwest.



PHOTOGRAPH NO. 13 – An additional view of the Western Pit Area upon completion. The view is towards the north-northwest.



PHOTOGRAPH NO. 14 – A view of the Western Pit Area (center), Pit "Surface" Area (surrounding), and Southern Off-Pad Area (left).

ATTACHMENT 2 – LABORATORY ANALYTICAL RESULTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 02, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2205925

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 5/20/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2205925**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-4

Project: Roy SWD 3

Collection Date: 5/16/2022 9:36:00 AM

Lab ID: 2205925-001

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	530	60		mg/Kg	20	5/26/2022 1:52:36 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/26/2022 7:18:56 AM	67669
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/26/2022 7:18:56 AM	67669
Surr: DNOP	85.0	51.1-141		%Rec	1	5/26/2022 7:18:56 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 3:58:37 AM	67605
Surr: BFB	90.6	37.7-212		%Rec	1	5/24/2022 3:58:37 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/24/2022 3:58:37 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 3:58:37 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 3:58:37 AM	67605
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 3:58:37 AM	67605
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	5/24/2022 3:58:37 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205925**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-5

Project: Roy SWD 3

Collection Date: 5/16/2022 9:42:00 AM

Lab ID: 2205925-002

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	550	60		mg/Kg	20	5/26/2022 2:29:38 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/26/2022 7:42:54 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 7:42:54 AM	67669
Surr: DNOP	89.8	51.1-141		%Rec	1	5/26/2022 7:42:54 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 4:22:12 AM	67605
Surr: BFB	94.4	37.7-212		%Rec	1	5/24/2022 4:22:12 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/24/2022 4:22:12 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 4:22:12 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 4:22:12 AM	67605
Xylenes, Total	ND	0.099		mg/Kg	1	5/24/2022 4:22:12 AM	67605
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/24/2022 4:22:12 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205925**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-8

Project: Roy SWD 3

Collection Date: 5/16/2022 9:51:00 AM

Lab ID: 2205925-003

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	210	60		mg/Kg	20	5/26/2022 2:41:58 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/26/2022 8:06:57 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 8:06:57 AM	67669
Surr: DNOP	90.5	51.1-141		%Rec	1	5/26/2022 8:06:57 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 4:45:50 AM	67605
Surr: BFB	93.3	37.7-212		%Rec	1	5/24/2022 4:45:50 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 4:45:50 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 4:45:50 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 4:45:50 AM	67605
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 4:45:50 AM	67605
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	5/24/2022 4:45:50 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205925**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-2

Project: Roy SWD 3

Collection Date: 5/16/2022 12:26:00 PM

Lab ID: 2205925-004

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	240	60		mg/Kg	20	5/26/2022 2:54:18 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/26/2022 8:31:00 AM	67669
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/26/2022 8:31:00 AM	67669
Surr: DNOP	70.0	51.1-141		%Rec	1	5/26/2022 8:31:00 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 5:35:00 AM	67605
Surr: BFB	84.6	37.7-212		%Rec	1	5/24/2022 5:35:00 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 5:35:00 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 5:35:00 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 5:35:00 AM	67605
Xylenes, Total	ND	0.097		mg/Kg	1	5/24/2022 5:35:00 AM	67605
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	5/24/2022 5:35:00 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205925

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-67699	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 67699	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3131011	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: MB-67699	SampType: mbk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 67699	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3131012	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205925

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-67669	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67669	RunNo: 88246								
Prep Date: 5/24/2022	Analysis Date: 5/26/2022	SeqNo: 3131392	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.1	51.1	141			

Sample ID: LCS-67669	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67669	RunNo: 88246								
Prep Date: 5/24/2022	Analysis Date: 5/26/2022	SeqNo: 3131393	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	64.4	127			
Surr: DNOP	4.8		5.000		95.9	51.1	141			

Sample ID: MB-67680	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67680	RunNo: 88246								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132682	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.1	51.1	141			

Sample ID: LCS-67680	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67680	RunNo: 88246								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132685	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205925

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-67605	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/24/2022	SeqNo: 3126958	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.8	37.7	212			

Sample ID: lcs-67605	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3126959	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: lcs-67637	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128820	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		202	37.7	212			

Sample ID: mb-67637	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128821	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.2	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205925

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-67605	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 67605		RunNo: 88206							
Prep Date: 5/20/2022	Analysis Date: 5/24/2022		SeqNo: 3127001		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	70	130			

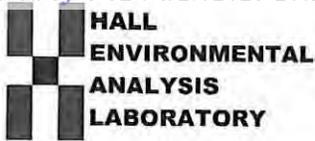
Sample ID: LCS-67605	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 67605		RunNo: 88206							
Prep Date: 5/20/2022	Analysis Date: 5/23/2022		SeqNo: 3127002		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.3	80	120			
Toluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: Ics-67637	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 67637		RunNo: 88236							
Prep Date: 5/23/2022	Analysis Date: 5/24/2022		SeqNo: 3128876		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.0	70	130			

Sample ID: mb-67637	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 67637		RunNo: 88236							
Prep Date: 5/23/2022	Analysis Date: 5/24/2022		SeqNo: 3128877		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2205925 RcptNo: 1

Received By: Juan Rojas 5/20/2022 7:05:00 AM
Completed By: Juan Rojas 5/20/2022 7:40:04 AM
Reviewed By: SCR 5/20/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C? Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: JRS 5/20/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.5, Good, [], [], [], []

Chain-of-Custody Record

Client: Bob - Artesia

Turn-Around Time: Standard Rush 5-day

Project Name: Roy SWD #3

Project #: 5375



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Project Manager: W. Kennedy

Sampler: W. Kennedy

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CP): 1.6-0.1-1.5 (°C)

Analysis Request

BTEX / MTBE / TMB's (8021)	X	
TPH:8015D(GRO / DRO / MRO)	X	
8081 Pesticides/8082 PCB's		
EDB (Method 504.1)		
PAHs by 8310 or 8270SIMS		
RCRA 8 Metals		
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄		
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)		
		<u>Chloride (EPA300)</u>

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5/16/22	0936	Soil	EX-4	1x402Jr	ECE	2205925
	0942		EX-5			-001
	0951		EX-8			-002
	1226		EW-2			-003
						-004

Relinquished by: W. Kennedy Date: 5/16/22 Time: 1215

Relinquished by: W. Kennedy Date: 5/16/22 Time: 1715

Received by: W. Kennedy Date: 5/16/22 Time: 1715

Received by: W. Kennedy Date: 5/16/22 Time: 1715

Remarks:



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 08, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Roy SWD 3

OrderNo.: 2205D06

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 13 sample(s) on 5/28/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-1

Project: Roy SWD 3

Collection Date: 5/25/2022 10:55:00 AM

Lab ID: 2205D06-001

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	660	60		mg/Kg	20	6/2/2022 7:20:48 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/1/2022 11:13:14 AM	67802
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/1/2022 11:13:14 AM	67802
Surr: DNOP	66.4	51.1-141		%Rec	1	6/1/2022 11:13:14 AM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 11:13:00 AM	67777
Surr: BFB	87.3	37.7-212		%Rec	1	5/31/2022 11:13:00 AM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 11:13:00 AM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 11:13:00 AM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 11:13:00 AM	67777
Xylenes, Total	ND	0.098		mg/Kg	1	5/31/2022 11:13:00 AM	67777
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	5/31/2022 11:13:00 AM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-2

Project: Roy SWD 3

Collection Date: 5/25/2022 10:57:00 AM

Lab ID: 2205D06-002

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	750	61		mg/Kg	20	6/2/2022 7:33:12 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/1/2022 11:36:59 AM	67802
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/1/2022 11:36:59 AM	67802
Surr: DNOP	53.5	51.1-141		%Rec	1	6/1/2022 11:36:59 AM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 12:12:00 PM	67777
Surr: BFB	83.7	37.7-212		%Rec	1	5/31/2022 12:12:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/31/2022 12:12:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 12:12:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 12:12:00 PM	67777
Xylenes, Total	ND	0.098		mg/Kg	1	5/31/2022 12:12:00 PM	67777
Surr: 4-Bromofluorobenzene	84.0	70-130		%Rec	1	5/31/2022 12:12:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-3

Project: Roy SWD 3

Collection Date: 5/25/2022 10:59:00 AM

Lab ID: 2205D06-003

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	590	60		mg/Kg	20	6/2/2022 7:45:37 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/1/2022 12:00:47 PM	67802
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/1/2022 12:00:47 PM	67802
Surr: DNOP	75.9	51.1-141		%Rec	1	6/1/2022 12:00:47 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/31/2022 12:32:00 PM	67777
Surr: BFB	83.1	37.7-212		%Rec	1	5/31/2022 12:32:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 12:32:00 PM	67777
Toluene	ND	0.048		mg/Kg	1	5/31/2022 12:32:00 PM	67777
Ethylbenzene	ND	0.048		mg/Kg	1	5/31/2022 12:32:00 PM	67777
Xylenes, Total	ND	0.096		mg/Kg	1	5/31/2022 12:32:00 PM	67777
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	5/31/2022 12:32:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-6

Project: Roy SWD 3

Collection Date: 5/25/2022 11:01:00 AM

Lab ID: 2205D06-004

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	540	60		mg/Kg	20	6/2/2022 7:58:01 PM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/1/2022 2:00:00 PM	67802
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/1/2022 2:00:00 PM	67802
Surr: DNOP	61.0	51.1-141		%Rec	1	6/1/2022 2:00:00 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 12:51:00 PM	67777
Surr: BFB	82.3	37.7-212		%Rec	1	5/31/2022 12:51:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/31/2022 12:51:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 12:51:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 12:51:00 PM	67777
Xylenes, Total	ND	0.099		mg/Kg	1	5/31/2022 12:51:00 PM	67777
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	5/31/2022 12:51:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-7

Project: Roy SWD 3

Collection Date: 5/25/2022 11:03:00 AM

Lab ID: 2205D06-005

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	590	61		mg/Kg	20	6/3/2022 10:37:02 AM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/2/2022 3:07:35 PM	67802
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/2/2022 3:07:35 PM	67802
Surr: DNOP	91.0	51.1-141		%Rec	1	6/2/2022 3:07:35 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/31/2022 1:11:00 PM	67777
Surr: BFB	84.0	37.7-212		%Rec	1	5/31/2022 1:11:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 1:11:00 PM	67777
Toluene	ND	0.048		mg/Kg	1	5/31/2022 1:11:00 PM	67777
Ethylbenzene	ND	0.048		mg/Kg	1	5/31/2022 1:11:00 PM	67777
Xylenes, Total	ND	0.095		mg/Kg	1	5/31/2022 1:11:00 PM	67777
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	5/31/2022 1:11:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-9

Project: Roy SWD 3

Collection Date: 5/25/2022 11:05:00 AM

Lab ID: 2205D06-006

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	520	60		mg/Kg	20	6/3/2022 10:49:26 AM	67861
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/7/2022 2:26:31 PM	67802
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/7/2022 2:26:31 PM	67802
Surr: DNOP	76.5	51.1-141		%Rec	1	6/7/2022 2:26:31 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 1:30:00 PM	67777
Surr: BFB	85.9	37.7-212		%Rec	1	5/31/2022 1:30:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 1:30:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 1:30:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 1:30:00 PM	67777
Xylenes, Total	ND	0.097		mg/Kg	1	5/31/2022 1:30:00 PM	67777
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	5/31/2022 1:30:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-10

Project: Roy SWD 3

Collection Date: 5/25/2022 11:07:00 AM

Lab ID: 2205D06-007

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	520	60		mg/Kg	20	6/2/2022 6:46:52 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/1/2022 3:59:04 PM	67802
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/1/2022 3:59:04 PM	67802
Surr: DNOP	60.7	51.1-141		%Rec	1	6/1/2022 3:59:04 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 1:50:00 PM	67777
Surr: BFB	87.4	37.7-212		%Rec	1	5/31/2022 1:50:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 1:50:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 1:50:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 1:50:00 PM	67777
Xylenes, Total	ND	0.098		mg/Kg	1	5/31/2022 1:50:00 PM	67777
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	5/31/2022 1:50:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-11

Project: Roy SWD 3

Collection Date: 5/25/2022 11:09:00 AM

Lab ID: 2205D06-008

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	530	59		mg/Kg	20	6/2/2022 7:23:55 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	6/2/2022 3:31:25 PM	67802
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/2/2022 3:31:25 PM	67802
Surr: DNOP	101	51.1-141		%Rec	1	6/2/2022 3:31:25 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 2:10:00 PM	67777
Surr: BFB	86.1	37.7-212		%Rec	1	5/31/2022 2:10:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 2:10:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 2:10:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 2:10:00 PM	67777
Xylenes, Total	ND	0.097		mg/Kg	1	5/31/2022 2:10:00 PM	67777
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	5/31/2022 2:10:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-1

Project: Roy SWD 3

Collection Date: 5/25/2022 11:11:00 AM

Lab ID: 2205D06-009

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	720	60		mg/Kg	20	6/2/2022 7:36:16 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	6/2/2022 3:55:20 PM	67802
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/2/2022 3:55:20 PM	67802
Surr: DNOP	90.4	51.1-141		%Rec	1	6/2/2022 3:55:20 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 2:30:00 PM	67777
Surr: BFB	85.9	37.7-212		%Rec	1	5/31/2022 2:30:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 2:30:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 2:30:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 2:30:00 PM	67777
Xylenes, Total	ND	0.097		mg/Kg	1	5/31/2022 2:30:00 PM	67777
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	5/31/2022 2:30:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3

Project: Roy SWD 3

Collection Date: 5/25/2022 11:13:00 AM

Lab ID: 2205D06-010

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	840	60		mg/Kg	20	6/2/2022 7:48:38 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	6/2/2022 4:19:07 PM	67802
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/2/2022 4:19:07 PM	67802
Surr: DNOP	100	51.1-141		%Rec	1	6/2/2022 4:19:07 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/31/2022 3:09:00 PM	67777
Surr: BFB	81.8	37.7-212		%Rec	1	5/31/2022 3:09:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/31/2022 3:09:00 PM	67777
Toluene	ND	0.050		mg/Kg	1	5/31/2022 3:09:00 PM	67777
Ethylbenzene	ND	0.050		mg/Kg	1	5/31/2022 3:09:00 PM	67777
Xylenes, Total	ND	0.10		mg/Kg	1	5/31/2022 3:09:00 PM	67777
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	5/31/2022 3:09:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-4

Project: Roy SWD 3

Collection Date: 5/25/2022 11:15:00 AM

Lab ID: 2205D06-011

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	550	59		mg/Kg	20	6/2/2022 8:00:58 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	8.2		mg/Kg	1	6/2/2022 4:42:54 PM	67802
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	6/2/2022 4:42:54 PM	67802
Surr: DNOP	77.7	51.1-141		%Rec	1	6/2/2022 4:42:54 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/31/2022 3:29:00 PM	67777
Surr: BFB	83.1	37.7-212		%Rec	1	5/31/2022 3:29:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 3:29:00 PM	67777
Toluene	ND	0.047		mg/Kg	1	5/31/2022 3:29:00 PM	67777
Ethylbenzene	ND	0.047		mg/Kg	1	5/31/2022 3:29:00 PM	67777
Xylenes, Total	ND	0.094		mg/Kg	1	5/31/2022 3:29:00 PM	67777
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	5/31/2022 3:29:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5

Project: Roy SWD 3

Collection Date: 5/25/2022 11:17:00 AM

Lab ID: 2205D06-012

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	700	61		mg/Kg	20	6/2/2022 8:13:18 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/7/2022 11:25:25 AM	67893
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/7/2022 11:25:25 AM	67893
Surr: DNOP	96.0	51.1-141		%Rec	1	6/7/2022 11:25:25 AM	67893
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/31/2022 3:48:00 PM	67777
Surr: BFB	86.2	37.7-212		%Rec	1	5/31/2022 3:48:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	5/31/2022 3:48:00 PM	67777
Toluene	ND	0.047		mg/Kg	1	5/31/2022 3:48:00 PM	67777
Ethylbenzene	ND	0.047		mg/Kg	1	5/31/2022 3:48:00 PM	67777
Xylenes, Total	ND	0.094		mg/Kg	1	5/31/2022 3:48:00 PM	67777
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	5/31/2022 3:48:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205D06**

Date Reported: **6/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6

Project: Roy SWD 3

Collection Date: 5/25/2022 11:19:00 AM

Lab ID: 2205D06-013

Matrix: SOIL

Received Date: 5/28/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	750	60		mg/Kg	20	6/2/2022 8:25:39 PM	67872
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	6/2/2022 5:30:29 PM	67802
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/2/2022 5:30:29 PM	67802
Surr: DNOP	74.4	51.1-141		%Rec	1	6/2/2022 5:30:29 PM	67802
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/31/2022 4:08:00 PM	67777
Surr: BFB	87.0	37.7-212		%Rec	1	5/31/2022 4:08:00 PM	67777
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	5/31/2022 4:08:00 PM	67777
Toluene	ND	0.049		mg/Kg	1	5/31/2022 4:08:00 PM	67777
Ethylbenzene	ND	0.049		mg/Kg	1	5/31/2022 4:08:00 PM	67777
Xylenes, Total	ND	0.099		mg/Kg	1	5/31/2022 4:08:00 PM	67777
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	5/31/2022 4:08:00 PM	67777

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205D06

08-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-67861	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 67861	RunNo: 88448								
Prep Date: 6/2/2022	Analysis Date: 6/2/2022	SeqNo: 3137969	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-67861	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 67861	RunNo: 88448								
Prep Date: 6/2/2022	Analysis Date: 6/2/2022	SeqNo: 3137970	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: LCS-67872	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 67872	RunNo: 88449								
Prep Date: 6/2/2022	Analysis Date: 6/2/2022	SeqNo: 3138047	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205D06

08-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-67802	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67802	RunNo: 88418								
Prep Date: 5/31/2022	Analysis Date: 6/1/2022	SeqNo: 3136875	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.3		10.00		72.8	51.1	141			

Sample ID: LCS-67802	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67802	RunNo: 88418								
Prep Date: 5/31/2022	Analysis Date: 6/1/2022	SeqNo: 3136893	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.8	64.4	127			
Surr: DNOP	2.9		5.000		58.3	51.1	141			

Sample ID: MB-67821	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67821	RunNo: 88418								
Prep Date: 6/1/2022	Analysis Date: 6/3/2022	SeqNo: 3138396	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.0		10.00		90.0	51.1	141			

Sample ID: LCS-67821	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67821	RunNo: 88418								
Prep Date: 6/1/2022	Analysis Date: 6/3/2022	SeqNo: 3138397	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		5.000		76.1	51.1	141			

Sample ID: MB-67871	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67871	RunNo: 88418								
Prep Date: 6/2/2022	Analysis Date: 6/4/2022	SeqNo: 3140066	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.7		10.00		96.6	51.1	141			

Sample ID: LCS-67871	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67871	RunNo: 88418								
Prep Date: 6/2/2022	Analysis Date: 6/4/2022	SeqNo: 3140074	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		98.0	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205D06

08-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-67777	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67777	RunNo: 88377								
Prep Date: 5/29/2022	Analysis Date: 5/31/2022	SeqNo: 3135016	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.8	72.3	137			
Surr: BFB	1800		1000		183	37.7	212			

Sample ID: mb-67777	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67777	RunNo: 88377								
Prep Date: 5/29/2022	Analysis Date: 5/31/2022	SeqNo: 3135017	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.7	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205D06

08-Jun-22

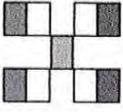
Client: EOG
Project: Roy SWD 3

Sample ID: ics-67777	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 67777	RunNo: 88377								
Prep Date: 5/29/2022	Analysis Date: 5/31/2022	SeqNo: 3135071	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.0	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.6	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: mb-67777	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 67777	RunNo: 88377								
Prep Date: 5/29/2022	Analysis Date: 5/31/2022	SeqNo: 3135072	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Turn-Around Time:
 Standard Rush 5-day TAT
 Project Name: Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: W. Kennedy
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 4.1-0-4.1

Container Type and #	Preservative Type	HEAL No.
<u>1x 4032R</u>	<u>ICE</u>	<u>2205DOG</u>
		<u>001</u>
		<u>002</u>
		<u>003</u>
		<u>004</u>
		<u>005</u>
		<u>006</u>
		<u>007</u>
		<u>008</u>
		<u>009</u>
		<u>010</u>
		<u>011</u>
		<u>012</u>

Received by: [Signature] Date: 5/27/22 Time: 1030
 Received by: [Signature] Date: 5/27/22 Time: 0800

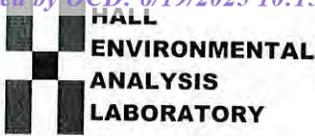
Remarks: Bill to EOG Artesia

Chain-of-Custody Record
 Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) Excel

Date	Time	Matrix	Sample Name
<u>5/25/22</u>	<u>1055</u>	<u>So:1</u>	<u>Ex-1</u>
	<u>1057</u>		<u>Ex-2</u>
	<u>1059</u>		<u>Ex-3</u>
	<u>1101</u>		<u>Ex-6</u>
	<u>1103</u>		<u>Ex-7</u>
	<u>1105</u>		<u>Ex-9</u>
	<u>1107</u>		<u>Ex-10</u>
	<u>1109</u>		<u>Ex-11</u>
	<u>1111</u>		<u>EW-1</u>
	<u>1113</u>		<u>EW-3</u>
	<u>1115</u>		<u>EW-4</u>
	<u>1117</u>		<u>EW-5</u>

Date: 5/27/22 Time: 1030 Relinquished by: W. Kennedy
 Date: 5/27/22 Time: 1900 Relinquished by: [Signature]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2205D06

RcptNo: 1

Received By: Cheyenne Cason 5/28/2022 8:00:00 AM

[Signature]

Completed By: Cheyenne Cason 5/28/2022 8:37:46 AM

[Signature]

Reviewed By: [Signature] 05/28/2022

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted?

Checked by [Signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 4.1, Good, Not Present, [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 13, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2206300

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 19 sample(s) on 6/7/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-12

Project: Roy SWD 3

Collection Date: 6/3/2022 9:02:00 AM

Lab ID: 2206300-001

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	670	60		mg/Kg	20	6/9/2022 8:27:10 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 1:44:11 PM	67958
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/8/2022 1:44:11 PM	67958
Surr: DNOP	98.8	51.1-141		%Rec	1	6/8/2022 1:44:11 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/8/2022 8:45:08 PM	67947
Surr: BFB	89.4	37.7-212		%Rec	1	6/8/2022 8:45:08 PM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/8/2022 8:45:08 PM	67947
Toluene	ND	0.050		mg/Kg	1	6/8/2022 8:45:08 PM	67947
Ethylbenzene	ND	0.050		mg/Kg	1	6/8/2022 8:45:08 PM	67947
Xylenes, Total	ND	0.099		mg/Kg	1	6/8/2022 8:45:08 PM	67947
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	6/8/2022 8:45:08 PM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-13

Project: Roy SWD 3

Collection Date: 6/3/2022 9:04:00 AM

Lab ID: 2206300-002

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	640	60		mg/Kg	20	6/9/2022 9:04:12 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 2:56:07 PM	67958
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/8/2022 2:56:07 PM	67958
Surr: DNOP	93.4	51.1-141		%Rec	1	6/8/2022 2:56:07 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/8/2022 11:06:10 PM	67947
Surr: BFB	92.6	37.7-212		%Rec	1	6/8/2022 11:06:10 PM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/8/2022 11:06:10 PM	67947
Toluene	ND	0.048		mg/Kg	1	6/8/2022 11:06:10 PM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/8/2022 11:06:10 PM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/8/2022 11:06:10 PM	67947
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	6/8/2022 11:06:10 PM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-14

Project: Roy SWD 3

Collection Date: 6/3/2022 9:08:00 AM

Lab ID: 2206300-003

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	450	60		mg/Kg	20	6/9/2022 9:16:34 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 3:20:00 PM	67958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2022 3:20:00 PM	67958
Surr: DNOP	103	51.1-141		%Rec	1	6/8/2022 3:20:00 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 12:16:31 AM	67947
Surr: BFB	90.2	37.7-212		%Rec	1	6/9/2022 12:16:31 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 12:16:31 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 12:16:31 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 12:16:31 AM	67947
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 12:16:31 AM	67947
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	6/9/2022 12:16:31 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-15

Project: Roy SWD 3

Collection Date: 6/3/2022 9:10:00 AM

Lab ID: 2206300-004

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	550	60		mg/Kg	20	6/9/2022 9:28:55 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 3:43:57 PM	67958
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/8/2022 3:43:57 PM	67958
Surr: DNOP	88.9	51.1-141		%Rec	1	6/8/2022 3:43:57 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 12:39:53 AM	67947
Surr: BFB	90.9	37.7-212		%Rec	1	6/9/2022 12:39:53 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 12:39:53 AM	67947
Toluene	ND	0.049		mg/Kg	1	6/9/2022 12:39:53 AM	67947
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 12:39:53 AM	67947
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 12:39:53 AM	67947
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	6/9/2022 12:39:53 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-16

Project: Roy SWD 3

Collection Date: 6/3/2022 9:12:00 AM

Lab ID: 2206300-005

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	510	60		mg/Kg	20	6/9/2022 9:41:15 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 4:07:45 PM	67958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2022 4:07:45 PM	67958
Surr: DNOP	91.2	51.1-141		%Rec	1	6/8/2022 4:07:45 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/9/2022 1:03:18 AM	67947
Surr: BFB	89.6	37.7-212		%Rec	1	6/9/2022 1:03:18 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/9/2022 1:03:18 AM	67947
Toluene	ND	0.050		mg/Kg	1	6/9/2022 1:03:18 AM	67947
Ethylbenzene	ND	0.050		mg/Kg	1	6/9/2022 1:03:18 AM	67947
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 1:03:18 AM	67947
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	6/9/2022 1:03:18 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-17

Project: Roy SWD 3

Collection Date: 6/3/2022 9:15:00 AM

Lab ID: 2206300-006

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	540	60		mg/Kg	20	6/9/2022 9:53:36 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 4:31:28 PM	67958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2022 4:31:28 PM	67958
Surr: DNOP	90.5	51.1-141		%Rec	1	6/8/2022 4:31:28 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 1:26:38 AM	67947
Surr: BFB	86.3	37.7-212		%Rec	1	6/9/2022 1:26:38 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/9/2022 1:26:38 AM	67947
Toluene	ND	0.049		mg/Kg	1	6/9/2022 1:26:38 AM	67947
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 1:26:38 AM	67947
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 1:26:38 AM	67947
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	6/9/2022 1:26:38 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-18

Project: Roy SWD 3

Collection Date: 6/3/2022 9:17:00 AM

Lab ID: 2206300-007

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	460	61		mg/Kg	20	6/9/2022 10:05:56 PM	68025
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 4:55:12 PM	67958
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/8/2022 4:55:12 PM	67958
Surr: DNOP	89.1	51.1-141		%Rec	1	6/8/2022 4:55:12 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 1:50:05 AM	67947
Surr: BFB	88.0	37.7-212		%Rec	1	6/9/2022 1:50:05 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 1:50:05 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 1:50:05 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 1:50:05 AM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 1:50:05 AM	67947
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	6/9/2022 1:50:05 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-21

Project: Roy SWD 3

Collection Date: 6/3/2022 10:31:00 AM

Lab ID: 2206300-008

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	780	60		mg/Kg	20	6/9/2022 10:42:59 PM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 5:19:04 PM	67958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2022 5:19:04 PM	67958
Surr: DNOP	93.5	51.1-141		%Rec	1	6/8/2022 5:19:04 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 2:13:24 AM	67947
Surr: BFB	93.7	37.7-212		%Rec	1	6/9/2022 2:13:24 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/9/2022 2:13:24 AM	67947
Toluene	ND	0.049		mg/Kg	1	6/9/2022 2:13:24 AM	67947
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 2:13:24 AM	67947
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 2:13:24 AM	67947
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	6/9/2022 2:13:24 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-22

Project: Roy SWD 3

Collection Date: 6/3/2022 10:17:00 AM

Lab ID: 2206300-009

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	410	60		mg/Kg	20	6/9/2022 10:55:20 PM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 5:42:53 PM	67958
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/8/2022 5:42:53 PM	67958
Surr: DNOP	84.8	51.1-141		%Rec	1	6/8/2022 5:42:53 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 2:36:43 AM	67947
Surr: BFB	89.3	37.7-212		%Rec	1	6/9/2022 2:36:43 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 2:36:43 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 2:36:43 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 2:36:43 AM	67947
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 2:36:43 AM	67947
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	6/9/2022 2:36:43 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-23

Project: Roy SWD 3

Collection Date: 6/3/2022 10:20:00 AM

Lab ID: 2206300-010

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	680	60		mg/Kg	20	6/9/2022 11:32:22 PM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 6:06:38 PM	67958
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/8/2022 6:06:38 PM	67958
Surr: DNOP	91.1	51.1-141		%Rec	1	6/8/2022 6:06:38 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 3:00:06 AM	67947
Surr: BFB	91.0	37.7-212		%Rec	1	6/9/2022 3:00:06 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 3:00:06 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 3:00:06 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 3:00:06 AM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 3:00:06 AM	67947
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	6/9/2022 3:00:06 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-24

Project: Roy SWD 3

Collection Date: 6/3/2022 10:24:00 AM

Lab ID: 2206300-011

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	280	60		mg/Kg	20	6/9/2022 11:44:44 PM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 6:30:27 PM	67958
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/8/2022 6:30:27 PM	67958
Surr: DNOP	88.2	51.1-141		%Rec	1	6/8/2022 6:30:27 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/9/2022 3:23:30 AM	67947
Surr: BFB	89.2	37.7-212		%Rec	1	6/9/2022 3:23:30 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/9/2022 3:23:30 AM	67947
Toluene	ND	0.046		mg/Kg	1	6/9/2022 3:23:30 AM	67947
Ethylbenzene	ND	0.046		mg/Kg	1	6/9/2022 3:23:30 AM	67947
Xylenes, Total	ND	0.093		mg/Kg	1	6/9/2022 3:23:30 AM	67947
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	6/9/2022 3:23:30 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-25

Project: Roy SWD 3

Collection Date: 6/3/2022 10:27:00 AM

Lab ID: 2206300-012

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	450	60		mg/Kg	20	6/9/2022 11:57:05 PM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 6:54:16 PM	67958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/8/2022 6:54:16 PM	67958
Surr: DNOP	82.3	51.1-141		%Rec	1	6/8/2022 6:54:16 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/9/2022 4:10:25 AM	67947
Surr: BFB	89.0	37.7-212		%Rec	1	6/9/2022 4:10:25 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	6/9/2022 4:10:25 AM	67947
Toluene	ND	0.046		mg/Kg	1	6/9/2022 4:10:25 AM	67947
Ethylbenzene	ND	0.046		mg/Kg	1	6/9/2022 4:10:25 AM	67947
Xylenes, Total	ND	0.092		mg/Kg	1	6/9/2022 4:10:25 AM	67947
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	6/9/2022 4:10:25 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-9

Project: Roy SWD 3

Collection Date: 6/3/2022 11:02:00 AM

Lab ID: 2206300-013

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	340	60		mg/Kg	20	6/10/2022 12:09:25 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 7:18:13 PM	67958
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/8/2022 7:18:13 PM	67958
Surr: DNOP	83.0	51.1-141		%Rec	1	6/8/2022 7:18:13 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 4:34:01 AM	67947
Surr: BFB	91.0	37.7-212		%Rec	1	6/9/2022 4:34:01 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/9/2022 4:34:01 AM	67947
Toluene	ND	0.049		mg/Kg	1	6/9/2022 4:34:01 AM	67947
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 4:34:01 AM	67947
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 4:34:01 AM	67947
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	6/9/2022 4:34:01 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-10

Project: Roy SWD 3

Collection Date: 6/3/2022 11:05:00 AM

Lab ID: 2206300-014

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	290	61		mg/Kg	20	6/10/2022 12:21:46 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 7:42:00 PM	67958
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/8/2022 7:42:00 PM	67958
Surr: DNOP	87.7	51.1-141		%Rec	1	6/8/2022 7:42:00 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 4:57:31 AM	67947
Surr: BFB	90.7	37.7-212		%Rec	1	6/9/2022 4:57:31 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 4:57:31 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 4:57:31 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 4:57:31 AM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 4:57:31 AM	67947
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	6/9/2022 4:57:31 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-11

Project: Roy SWD 3

Collection Date: 6/3/2022 11:10:00 AM

Lab ID: 2206300-015

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	270	60		mg/Kg	20	6/10/2022 12:34:07 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 8:05:51 PM	67958
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/8/2022 8:05:51 PM	67958
Surr: DNOP	69.0	51.1-141		%Rec	1	6/8/2022 8:05:51 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 5:21:00 AM	67947
Surr: BFB	90.1	37.7-212		%Rec	1	6/9/2022 5:21:00 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 5:21:00 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 5:21:00 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 5:21:00 AM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 5:21:00 AM	67947
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	6/9/2022 5:21:00 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-12

Project: Roy SWD 3

Collection Date: 6/3/2022 11:13:00 AM

Lab ID: 2206300-016

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	130	60		mg/Kg	20	6/10/2022 1:11:11 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 8:29:42 PM	67958
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/8/2022 8:29:42 PM	67958
Surr: DNOP	74.6	51.1-141		%Rec	1	6/8/2022 8:29:42 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 5:44:27 AM	67947
Surr: BFB	87.3	37.7-212		%Rec	1	6/9/2022 5:44:27 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 5:44:27 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 5:44:27 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 5:44:27 AM	67947
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 5:44:27 AM	67947
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	6/9/2022 5:44:27 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-13

Project: Roy SWD 3

Collection Date: 6/3/2022 11:17:00 AM

Lab ID: 2206300-017

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	310	60		mg/Kg	20	6/10/2022 1:23:32 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 8:53:31 PM	67958
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/8/2022 8:53:31 PM	67958
Surr: DNOP	70.9	51.1-141		%Rec	1	6/8/2022 8:53:31 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 6:08:03 AM	67947
Surr: BFB	88.9	37.7-212		%Rec	1	6/9/2022 6:08:03 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 6:08:03 AM	67947
Toluene	ND	0.047		mg/Kg	1	6/9/2022 6:08:03 AM	67947
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 6:08:03 AM	67947
Xylenes, Total	ND	0.094		mg/Kg	1	6/9/2022 6:08:03 AM	67947
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	6/9/2022 6:08:03 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-29

Project: Roy SWD 3

Collection Date: 6/3/2022 12:28:00 PM

Lab ID: 2206300-018

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	290	60		mg/Kg	20	6/10/2022 2:00:34 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/8/2022 9:17:17 PM	67958
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/8/2022 9:17:17 PM	67958
Surr: DNOP	74.1	51.1-141		%Rec	1	6/8/2022 9:17:17 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 6:31:33 AM	67947
Surr: BFB	88.6	37.7-212		%Rec	1	6/9/2022 6:31:33 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	6/9/2022 6:31:33 AM	67947
Toluene	ND	0.048		mg/Kg	1	6/9/2022 6:31:33 AM	67947
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 6:31:33 AM	67947
Xylenes, Total	ND	0.095		mg/Kg	1	6/9/2022 6:31:33 AM	67947
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	6/9/2022 6:31:33 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206300**

Date Reported: **6/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-30

Project: Roy SWD 3

Collection Date: 6/3/2022 12:31:00 PM

Lab ID: 2206300-019

Matrix: SOIL

Received Date: 6/7/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	360	60		mg/Kg	20	6/10/2022 2:12:55 AM	68005
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 9:41:05 PM	67958
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/8/2022 9:41:05 PM	67958
Surr: DNOP	70.9	51.1-141		%Rec	1	6/8/2022 9:41:05 PM	67958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 6:55:06 AM	67947
Surr: BFB	86.8	37.7-212		%Rec	1	6/9/2022 6:55:06 AM	67947
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	6/9/2022 6:55:06 AM	67947
Toluene	ND	0.049		mg/Kg	1	6/9/2022 6:55:06 AM	67947
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 6:55:06 AM	67947
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 6:55:06 AM	67947
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	6/9/2022 6:55:06 AM	67947

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206300

13-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68025	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68025	RunNo: 88636								
Prep Date: 6/9/2022	Analysis Date: 6/9/2022	SeqNo: 3146113	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68025	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68025	RunNo: 88636								
Prep Date: 6/9/2022	Analysis Date: 6/9/2022	SeqNo: 3146114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Sample ID: MB-68005	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68005	RunNo: 88636								
Prep Date: 6/9/2022	Analysis Date: 6/9/2022	SeqNo: 3146143	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68005	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68005	RunNo: 88636								
Prep Date: 6/9/2022	Analysis Date: 6/9/2022	SeqNo: 3146144	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206300

13-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-67958	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 67958	RunNo: 88561								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3144709	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.5	51.1	141			

Sample ID: LCS-67958	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67958	RunNo: 88561								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3144710	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	98.2	64.4	127			
Surr: DNOP	3.8		5.000		75.9	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206300

13-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-67947	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67947	RunNo: 88560								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3143805	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	72.3	137			
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: mb-67947	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67947	RunNo: 88560								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3143807	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.6	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206300

13-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-67947	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 67947	RunNo: 88560								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3143855	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.8	80	120			
Toluene	0.98	0.050	1.000	0	97.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.1	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: mb-67947	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 67947	RunNo: 88560								
Prep Date: 6/7/2022	Analysis Date: 6/8/2022	SeqNo: 3143857	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2206300 RcptNo: 1

Received By: Cheyenne Cason 6/7/2022 7:00:00 AM
Completed By: Cheyenne Cason 6/7/2022 7:23:57 AM
Reviewed By: [Signature] 6-7-22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: [Signature] 6/7/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 2.4, Good, Not Present, [], [], []

1 of 2

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 day EOG
 Project Name:
Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 2
 Cooler Temp (including CP): 24.0-24.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No
6/13/22	0902	soil	EX-12	1 X 4oz ^{jar}	ICE	001
	0904		EX-13			002
	0908		EX-14			003
	0910		EX-15			004
	0912		EX-16			005
	0915		EX-17			006
	0917		EX-18			007
	1031		EX-21			008
	1017		EX-22			009
	1020		EX-23			010
	1024		EX-24			011
	1027		EX-25			012

Received by: W. Kierdorf Date: 6/13/22 Time: 9:00
 Relinquished by: J. Martinez
 Received by: CMC Courier Date: 6/17/22 Time: 0700



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX (8021)	X X
TPH:8015D(GRO / DRO / MRO)	X X
Chloride (EPA 300)	X

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 06, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Roy SWD 3

OrderNo.: 2206593

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 30 sample(s) on 6/10/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued June 21, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-19

Project: Roy SWD 3

Collection Date: 6/6/2022 9:15:00 AM

Lab ID: 2206593-001

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	360	60		mg/Kg	20	6/14/2022 6:02:54 PM	68102
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 7:31:11 PM	68065
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/15/2022 7:31:11 PM	68065
Surr: DNOP	93.5	51.1-141		%Rec	1	6/15/2022 7:31:11 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 4:51:00 PM	68042
Surr: BFB	80.6	37.7-212		%Rec	1	6/13/2022 4:51:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 4:51:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 4:51:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 4:51:00 PM	68042
Xylenes, Total	ND	0.098		mg/Kg	1	6/13/2022 4:51:00 PM	68042
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	6/13/2022 4:51:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-20

Project: Roy SWD 3

Collection Date: 6/6/2022 1:50:00 PM

Lab ID: 2206593-002

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	560	59		mg/Kg	20	6/14/2022 6:15:19 PM	68102
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 7:41:58 PM	68065
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/15/2022 7:41:58 PM	68065
Surr: DNOP	85.1	51.1-141		%Rec	1	6/15/2022 7:41:58 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2022 5:51:00 PM	68042
Surr: BFB	84.8	37.7-212		%Rec	1	6/13/2022 5:51:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 5:51:00 PM	68042
Toluene	ND	0.048		mg/Kg	1	6/13/2022 5:51:00 PM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2022 5:51:00 PM	68042
Xylenes, Total	ND	0.096		mg/Kg	1	6/13/2022 5:51:00 PM	68042
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	6/13/2022 5:51:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-26

Project: Roy SWD 3

Collection Date: 6/6/2022 2:45:00 PM

Lab ID: 2206593-003

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	410	60		mg/Kg	20	6/15/2022 2:24:22 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 7:52:44 PM	68065
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 7:52:44 PM	68065
Surr: DNOP	96.4	51.1-141		%Rec	1	6/15/2022 7:52:44 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2022 6:50:00 PM	68042
Surr: BFB	88.0	37.7-212		%Rec	1	6/13/2022 6:50:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 6:50:00 PM	68042
Toluene	ND	0.050		mg/Kg	1	6/13/2022 6:50:00 PM	68042
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2022 6:50:00 PM	68042
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2022 6:50:00 PM	68042
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	6/13/2022 6:50:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-27

Project: Roy SWD 3

Collection Date: 6/6/2022 9:20:00 AM

Lab ID: 2206593-004

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	450	60		mg/Kg	20	6/15/2022 2:36:42 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 8:03:31 PM	68065
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2022 8:03:31 PM	68065
Surr: DNOP	86.0	51.1-141		%Rec	1	6/15/2022 8:03:31 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/13/2022 7:10:00 PM	68042
Surr: BFB	82.6	37.7-212		%Rec	1	6/13/2022 7:10:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 7:10:00 PM	68042
Toluene	ND	0.047		mg/Kg	1	6/13/2022 7:10:00 PM	68042
Ethylbenzene	ND	0.047		mg/Kg	1	6/13/2022 7:10:00 PM	68042
Xylenes, Total	ND	0.094		mg/Kg	1	6/13/2022 7:10:00 PM	68042
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	6/13/2022 7:10:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-28

Project: Roy SWD 3

Collection Date: 6/6/2022 1:52:00 PM

Lab ID: 2206593-005

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	860	60		mg/Kg	20	6/15/2022 2:49:03 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 8:14:20 PM	68065
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/15/2022 8:14:20 PM	68065
Surr: DNOP	72.1	51.1-141		%Rec	1	6/15/2022 8:14:20 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 7:30:00 PM	68042
Surr: BFB	83.7	37.7-212		%Rec	1	6/13/2022 7:30:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 7:30:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 7:30:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 7:30:00 PM	68042
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2022 7:30:00 PM	68042
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	6/13/2022 7:30:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-31

Project: Roy SWD 3

Collection Date: 6/6/2022 9:24:00 AM

Lab ID: 2206593-006

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	190	60		mg/Kg	20	6/15/2022 3:01:24 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 8:25:09 PM	68065
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	6/15/2022 8:25:09 PM	68065
Surr: DNOP	86.8	51.1-141		%Rec	1	6/15/2022 8:25:09 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2022 7:49:00 PM	68042
Surr: BFB	90.1	37.7-212		%Rec	1	6/13/2022 7:49:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 7:49:00 PM	68042
Toluene	ND	0.050		mg/Kg	1	6/13/2022 7:49:00 PM	68042
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2022 7:49:00 PM	68042
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2022 7:49:00 PM	68042
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	6/13/2022 7:49:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-32

Project: Roy SWD 3

Collection Date: 6/6/2022 11:17:00 AM

Lab ID: 2206593-007

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	200	60		mg/Kg	20	6/15/2022 3:13:46 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/16/2022 3:38:49 PM	68065
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/16/2022 3:38:49 PM	68065
Surr: DNOP	63.2	51.1-141		%Rec	1	6/16/2022 3:38:49 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2022 8:09:00 PM	68042
Surr: BFB	82.9	37.7-212		%Rec	1	6/13/2022 8:09:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 8:09:00 PM	68042
Toluene	ND	0.048		mg/Kg	1	6/13/2022 8:09:00 PM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2022 8:09:00 PM	68042
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2022 8:09:00 PM	68042
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	6/13/2022 8:09:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-14

Project: Roy SWD 3

Collection Date: 6/6/2022 2:47:00 PM

Lab ID: 2206593-008

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	170	60		mg/Kg	20	6/15/2022 3:50:49 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 8:46:49 PM	68065
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 8:46:49 PM	68065
Surr: DNOP	79.2	51.1-141		%Rec	1	6/15/2022 8:46:49 PM	68065
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 8:29:00 PM	68042
Surr: BFB	84.8	37.7-212		%Rec	1	6/13/2022 8:29:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 8:29:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 8:29:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 8:29:00 PM	68042
Xylenes, Total	ND	0.098		mg/Kg	1	6/13/2022 8:29:00 PM	68042
Surr: 4-Bromofluorobenzene	82.9	70-130		%Rec	1	6/13/2022 8:29:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-15

Project: Roy SWD 3

Collection Date: 6/6/2022 1:54:00 PM

Lab ID: 2206593-009

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	160	60		mg/Kg	20	6/15/2022 4:03:09 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 9:30:10 PM	68067
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/15/2022 9:30:10 PM	68067
Surr: DNOP	81.8	51.1-141		%Rec	1	6/15/2022 9:30:10 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 8:49:00 PM	68042
Surr: BFB	129	37.7-212		%Rec	1	6/13/2022 8:49:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 8:49:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 8:49:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 8:49:00 PM	68042
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2022 8:49:00 PM	68042
Surr: 4-Bromofluorobenzene	130	70-130	S	%Rec	1	6/13/2022 8:49:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-16

Project: Roy SWD 3

Collection Date: 6/6/2022 1:56:00 PM

Lab ID: 2206593-010

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	160	60		mg/Kg	20	6/15/2022 4:40:12 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 10:03:25 PM	68067
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/15/2022 10:03:25 PM	68067
Surr: DNOP	86.0	51.1-141		%Rec	1	6/15/2022 10:03:25 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/13/2022 9:09:00 PM	68042
Surr: BFB	85.1	37.7-212		%Rec	1	6/13/2022 9:09:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/13/2022 9:09:00 PM	68042
Toluene	ND	0.047		mg/Kg	1	6/13/2022 9:09:00 PM	68042
Ethylbenzene	ND	0.047		mg/Kg	1	6/13/2022 9:09:00 PM	68042
Xylenes, Total	ND	0.094		mg/Kg	1	6/13/2022 9:09:00 PM	68042
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	6/13/2022 9:09:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-17

Project: Roy SWD 3

Collection Date: 6/7/2022 11:50:00 AM

Lab ID: 2206593-011

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	84	60		mg/Kg	20	6/15/2022 5:17:13 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 10:14:39 PM	68067
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2022 10:14:39 PM	68067
Surr: DNOP	74.6	51.1-141		%Rec	1	6/15/2022 10:14:39 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 9:48:00 PM	68042
Surr: BFB	84.1	37.7-212		%Rec	1	6/13/2022 9:48:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 9:48:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 9:48:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 9:48:00 PM	68042
Xylenes, Total	ND	0.098		mg/Kg	1	6/13/2022 9:48:00 PM	68042
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	6/13/2022 9:48:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: 7/6/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-33

Project: Roy SWD 3

Collection Date: 6/7/2022 10:30:00 AM

Lab ID: 2206593-012

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	830	60		mg/Kg	20	6/15/2022 5:29:34 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 10:25:55 PM	68067
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/15/2022 10:25:55 PM	68067
Surr: DNOP	83.5	51.1-141		%Rec	1	6/15/2022 10:25:55 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2022 10:08:00 PM	68042
Surr: BFB	88.3	37.7-212		%Rec	1	6/13/2022 10:08:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 10:08:00 PM	68042
Toluene	ND	0.048		mg/Kg	1	6/13/2022 10:08:00 PM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2022 10:08:00 PM	68042
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2022 10:08:00 PM	68042
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	6/13/2022 10:08:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-34

Project: Roy SWD 3

Collection Date: 6/7/2022 10:32:00 AM

Lab ID: 2206593-013

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	710	59		mg/Kg	20	6/15/2022 5:41:55 PM	68131
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 10:37:11 PM	68067
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 10:37:11 PM	68067
Surr: DNOP	89.9	51.1-141		%Rec	1	6/15/2022 10:37:11 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2022 10:28:00 PM	68042
Surr: BFB	84.9	37.7-212		%Rec	1	6/13/2022 10:28:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 10:28:00 PM	68042
Toluene	ND	0.050		mg/Kg	1	6/13/2022 10:28:00 PM	68042
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2022 10:28:00 PM	68042
Xylenes, Total	ND	0.10		mg/Kg	1	6/13/2022 10:28:00 PM	68042
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	6/13/2022 10:28:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-35

Project: Roy SWD 3

Collection Date: 6/7/2022 10:34:00 AM

Lab ID: 2206593-014

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	760	60		mg/Kg	20	6/15/2022 6:43:40 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 10:48:27 PM	68067
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 10:48:27 PM	68067
Surr: DNOP	82.9	51.1-141		%Rec	1	6/15/2022 10:48:27 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/13/2022 10:47:00 PM	68042
Surr: BFB	84.4	37.7-212		%Rec	1	6/13/2022 10:47:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/13/2022 10:47:00 PM	68042
Toluene	ND	0.047		mg/Kg	1	6/13/2022 10:47:00 PM	68042
Ethylbenzene	ND	0.047		mg/Kg	1	6/13/2022 10:47:00 PM	68042
Xylenes, Total	ND	0.094		mg/Kg	1	6/13/2022 10:47:00 PM	68042
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	6/13/2022 10:47:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-36

Project: Roy SWD 3

Collection Date: 6/7/2022 10:36:00 AM

Lab ID: 2206593-015

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	390	60		mg/Kg	20	6/15/2022 6:56:00 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 10:59:42 PM	68067
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2022 10:59:42 PM	68067
Surr: DNOP	76.7	51.1-141		%Rec	1	6/15/2022 10:59:42 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/13/2022 11:07:00 PM	68042
Surr: BFB	83.2	37.7-212		%Rec	1	6/13/2022 11:07:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 11:07:00 PM	68042
Toluene	ND	0.049		mg/Kg	1	6/13/2022 11:07:00 PM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/13/2022 11:07:00 PM	68042
Xylenes, Total	ND	0.097		mg/Kg	1	6/13/2022 11:07:00 PM	68042
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	6/13/2022 11:07:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-37

Project: Roy SWD 3

Collection Date: 6/7/2022 10:38:00 AM

Lab ID: 2206593-016

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	670	60		mg/Kg	20	6/15/2022 7:08:20 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 11:10:58 PM	68067
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 11:10:58 PM	68067
Surr: DNOP	74.2	51.1-141		%Rec	1	6/15/2022 11:10:58 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/13/2022 11:27:00 PM	68042
Surr: BFB	84.4	37.7-212		%Rec	1	6/13/2022 11:27:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/13/2022 11:27:00 PM	68042
Toluene	ND	0.048		mg/Kg	1	6/13/2022 11:27:00 PM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/13/2022 11:27:00 PM	68042
Xylenes, Total	ND	0.096		mg/Kg	1	6/13/2022 11:27:00 PM	68042
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	6/13/2022 11:27:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-38

Project: Roy SWD 3

Collection Date: 6/7/2022 10:40:00 AM

Lab ID: 2206593-017

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1200	60		mg/Kg	20	6/15/2022 7:20:41 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/15/2022 11:22:08 PM	68067
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/15/2022 11:22:08 PM	68067
Surr: DNOP	72.3	51.1-141		%Rec	1	6/15/2022 11:22:08 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/13/2022 11:46:00 PM	68042
Surr: BFB	85.1	37.7-212		%Rec	1	6/13/2022 11:46:00 PM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/13/2022 11:46:00 PM	68042
Toluene	ND	0.050		mg/Kg	1	6/13/2022 11:46:00 PM	68042
Ethylbenzene	ND	0.050		mg/Kg	1	6/13/2022 11:46:00 PM	68042
Xylenes, Total	ND	0.099		mg/Kg	1	6/13/2022 11:46:00 PM	68042
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	6/13/2022 11:46:00 PM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-42

Project: Roy SWD 3

Collection Date: 6/7/2022 11:19:00 AM

Lab ID: 2206593-018

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2000	59		mg/Kg	20	6/15/2022 7:33:01 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 11:33:21 PM	68067
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2022 11:33:21 PM	68067
Surr: DNOP	76.6	51.1-141		%Rec	1	6/15/2022 11:33:21 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/14/2022 12:06:00 AM	68042
Surr: BFB	86.7	37.7-212		%Rec	1	6/14/2022 12:06:00 AM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 12:06:00 AM	68042
Toluene	ND	0.048		mg/Kg	1	6/14/2022 12:06:00 AM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2022 12:06:00 AM	68042
Xylenes, Total	ND	0.096		mg/Kg	1	6/14/2022 12:06:00 AM	68042
Surr: 4-Bromofluorobenzene	82.3	70-130		%Rec	1	6/14/2022 12:06:00 AM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-44

Project: Roy SWD 3

Collection Date: 6/7/2022 11:45:00 AM

Lab ID: 2206593-019

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1100	61		mg/Kg	20	6/15/2022 7:45:23 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/15/2022 11:44:32 PM	68067
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/15/2022 11:44:32 PM	68067
Surr: DNOP	91.0	51.1-141		%Rec	1	6/15/2022 11:44:32 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 12:25:00 AM	68042
Surr: BFB	85.1	37.7-212		%Rec	1	6/14/2022 12:25:00 AM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/14/2022 12:25:00 AM	68042
Toluene	ND	0.049		mg/Kg	1	6/14/2022 12:25:00 AM	68042
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 12:25:00 AM	68042
Xylenes, Total	ND	0.099		mg/Kg	1	6/14/2022 12:25:00 AM	68042
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	6/14/2022 12:25:00 AM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-45

Project: Roy SWD 3

Collection Date: 6/7/2022 11:47:00 AM

Lab ID: 2206593-020

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	660	60		mg/Kg	20	6/15/2022 7:57:44 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/15/2022 11:55:40 PM	68067
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/15/2022 11:55:40 PM	68067
Surr: DNOP	86.8	51.1-141		%Rec	1	6/15/2022 11:55:40 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/14/2022 12:45:00 AM	68042
Surr: BFB	85.6	37.7-212		%Rec	1	6/14/2022 12:45:00 AM	68042
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 12:45:00 AM	68042
Toluene	ND	0.048		mg/Kg	1	6/14/2022 12:45:00 AM	68042
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2022 12:45:00 AM	68042
Xylenes, Total	ND	0.097		mg/Kg	1	6/14/2022 12:45:00 AM	68042
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	6/14/2022 12:45:00 AM	68042

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-1/7

Project: Roy SWD 3

Collection Date: 6/9/2022 10:45:00 AM

Lab ID: 2206593-021

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3700	150		mg/Kg	50	6/16/2022 11:24:46 AM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/16/2022 12:06:46 AM	68067
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/16/2022 12:06:46 AM	68067
Surr: DNOP	90.3	51.1-141		%Rec	1	6/16/2022 12:06:46 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 2:43:00 AM	68044
Surr: BFB	92.2	37.7-212		%Rec	1	6/14/2022 2:43:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 2:43:00 AM	68044
Toluene	ND	0.049		mg/Kg	1	6/14/2022 2:43:00 AM	68044
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 2:43:00 AM	68044
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2022 2:43:00 AM	68044
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	6/14/2022 2:43:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-1/14

Project: Roy SWD 3

Collection Date: 6/9/2022 11:19:00 AM

Lab ID: 2206593-022

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	600	60		mg/Kg	20	6/15/2022 8:47:05 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:17:54 AM	68067
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	6/16/2022 12:17:54 AM	68067
Surr: DNOP	82.2	51.1-141		%Rec	1	6/16/2022 12:17:54 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 3:42:00 AM	68044
Surr: BFB	85.5	37.7-212		%Rec	1	6/14/2022 3:42:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 3:42:00 AM	68044
Toluene	ND	0.049		mg/Kg	1	6/14/2022 3:42:00 AM	68044
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 3:42:00 AM	68044
Xylenes, Total	ND	0.097		mg/Kg	1	6/14/2022 3:42:00 AM	68044
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	6/14/2022 3:42:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-1/18

Project: Roy SWD 3

Collection Date: 6/9/2022 11:42:00 AM

Lab ID: 2206593-023

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	380	60		mg/Kg	20	6/15/2022 8:59:25 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:29:02 AM	68067
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/16/2022 12:29:02 AM	68067
Surr: DNOP	81.1	51.1-141		%Rec	1	6/16/2022 12:29:02 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 4:41:00 AM	68044
Surr: BFB	88.5	37.7-212		%Rec	1	6/14/2022 4:41:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/14/2022 4:41:00 AM	68044
Toluene	ND	0.049		mg/Kg	1	6/14/2022 4:41:00 AM	68044
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 4:41:00 AM	68044
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2022 4:41:00 AM	68044
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	6/14/2022 4:41:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-2/7

Project: Roy SWD 3

Collection Date: 6/9/2022 1:05:00 PM

Lab ID: 2206593-024

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2200	60		mg/Kg	20	6/15/2022 9:11:46 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/16/2022 4:02:50 PM	68067
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/16/2022 4:02:50 PM	68067
Surr: DNOP	107	51.1-141		%Rec	1	6/16/2022 4:02:50 PM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/14/2022 5:01:00 AM	68044
Surr: BFB	84.6	37.7-212		%Rec	1	6/14/2022 5:01:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 5:01:00 AM	68044
Toluene	ND	0.048		mg/Kg	1	6/14/2022 5:01:00 AM	68044
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2022 5:01:00 AM	68044
Xylenes, Total	ND	0.095		mg/Kg	1	6/14/2022 5:01:00 AM	68044
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	6/14/2022 5:01:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-2/12

Project: Roy SWD 3

Collection Date: 6/9/2022 1:17:00 PM

Lab ID: 2206593-025

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	480	60		mg/Kg	20	6/15/2022 9:24:07 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 12:51:06 AM	68067
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/16/2022 12:51:06 AM	68067
Surr: DNOP	101	51.1-141		%Rec	1	6/16/2022 12:51:06 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/14/2022 5:20:00 AM	68044
Surr: BFB	86.4	37.7-212		%Rec	1	6/14/2022 5:20:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/14/2022 5:20:00 AM	68044
Toluene	ND	0.047		mg/Kg	1	6/14/2022 5:20:00 AM	68044
Ethylbenzene	ND	0.047		mg/Kg	1	6/14/2022 5:20:00 AM	68044
Xylenes, Total	ND	0.093		mg/Kg	1	6/14/2022 5:20:00 AM	68044
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	6/14/2022 5:20:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-2/15

Project: Roy SWD 3

Collection Date: 6/9/2022 1:29:00 PM

Lab ID: 2206593-026

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	400	60		mg/Kg	20	6/15/2022 10:01:10 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 1:02:10 AM	68067
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/16/2022 1:02:10 AM	68067
Surr: DNOP	88.7	51.1-141		%Rec	1	6/16/2022 1:02:10 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 5:40:00 AM	68044
Surr: BFB	88.3	37.7-212		%Rec	1	6/14/2022 5:40:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 5:40:00 AM	68044
Toluene	ND	0.049		mg/Kg	1	6/14/2022 5:40:00 AM	68044
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 5:40:00 AM	68044
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2022 5:40:00 AM	68044
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	6/14/2022 5:40:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-1

Project: Roy SWD 3

Collection Date: 6/9/2022 9:15:00 AM

Lab ID: 2206593-027

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	480	60		mg/Kg	20	6/15/2022 10:38:11 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/16/2022 1:13:15 AM	68067
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/16/2022 1:13:15 AM	68067
Surr: DNOP	84.2	51.1-141		%Rec	1	6/16/2022 1:13:15 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/14/2022 6:00:00 AM	68044
Surr: BFB	88.6	37.7-212		%Rec	1	6/14/2022 6:00:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/14/2022 6:00:00 AM	68044
Toluene	ND	0.046		mg/Kg	1	6/14/2022 6:00:00 AM	68044
Ethylbenzene	ND	0.046		mg/Kg	1	6/14/2022 6:00:00 AM	68044
Xylenes, Total	ND	0.092		mg/Kg	1	6/14/2022 6:00:00 AM	68044
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	6/14/2022 6:00:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3

Project: Roy SWD 3

Collection Date: 6/9/2022 9:17:00 AM

Lab ID: 2206593-028

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	470	60		mg/Kg	20	6/15/2022 11:15:12 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 1:24:15 AM	68067
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/16/2022 1:24:15 AM	68067
Surr: DNOP	63.5	51.1-141		%Rec	1	6/16/2022 1:24:15 AM	68067
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/14/2022 6:20:00 AM	68044
Surr: BFB	85.1	37.7-212		%Rec	1	6/14/2022 6:20:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/14/2022 6:20:00 AM	68044
Toluene	ND	0.048		mg/Kg	1	6/14/2022 6:20:00 AM	68044
Ethylbenzene	ND	0.048		mg/Kg	1	6/14/2022 6:20:00 AM	68044
Xylenes, Total	ND	0.096		mg/Kg	1	6/14/2022 6:20:00 AM	68044
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	6/14/2022 6:20:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5

Project: Roy SWD 3

Collection Date: 6/9/2022 10:02:00 AM

Lab ID: 2206593-029

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	470	60		mg/Kg	20	6/15/2022 11:27:33 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 4:48:47 PM	68103
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/16/2022 4:48:47 PM	68103
Surr: DNOP	105	51.1-141		%Rec	1	6/16/2022 4:48:47 PM	68103
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/14/2022 6:39:00 AM	68044
Surr: BFB	87.3	37.7-212		%Rec	1	6/14/2022 6:39:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/14/2022 6:39:00 AM	68044
Toluene	ND	0.049		mg/Kg	1	6/14/2022 6:39:00 AM	68044
Ethylbenzene	ND	0.049		mg/Kg	1	6/14/2022 6:39:00 AM	68044
Xylenes, Total	ND	0.098		mg/Kg	1	6/14/2022 6:39:00 AM	68044
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	6/14/2022 6:39:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206593**

Date Reported: **7/6/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6

Project: Roy SWD 3

Collection Date: 6/9/2022 10:04:00 AM

Lab ID: 2206593-030

Matrix: SOIL

Received Date: 6/10/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	470	60		mg/Kg	20	6/15/2022 11:39:54 PM	68134
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/16/2022 4:59:43 PM	68103
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/16/2022 4:59:43 PM	68103
Surr: DNOP	98.1	51.1-141		%Rec	1	6/16/2022 4:59:43 PM	68103
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/14/2022 6:59:00 AM	68044
Surr: BFB	89.5	37.7-212		%Rec	1	6/14/2022 6:59:00 AM	68044
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/14/2022 6:59:00 AM	68044
Toluene	ND	0.047		mg/Kg	1	6/14/2022 6:59:00 AM	68044
Ethylbenzene	ND	0.047		mg/Kg	1	6/14/2022 6:59:00 AM	68044
Xylenes, Total	ND	0.094		mg/Kg	1	6/14/2022 6:59:00 AM	68044
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	6/14/2022 6:59:00 AM	68044

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Estimated value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of range due to dilution or matrix interference	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206593

06-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68102	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68102	RunNo: 88714								
Prep Date: 6/14/2022	Analysis Date: 6/14/2022	SeqNo: 3150715	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68102	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68102	RunNo: 88714								
Prep Date: 6/14/2022	Analysis Date: 6/14/2022	SeqNo: 3150716	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.9	90	110			

Sample ID: MB-68131	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68131	RunNo: 88758								
Prep Date: 6/15/2022	Analysis Date: 6/15/2022	SeqNo: 3152167	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68131	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68131	RunNo: 88758								
Prep Date: 6/15/2022	Analysis Date: 6/15/2022	SeqNo: 3152168	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Sample ID: MB-68134	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68134	RunNo: 88758								
Prep Date: 6/15/2022	Analysis Date: 6/15/2022	SeqNo: 3152203	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68134	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68134	RunNo: 88758								
Prep Date: 6/15/2022	Analysis Date: 6/15/2022	SeqNo: 3152204	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206593

06-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68065	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68065	RunNo: 88742								
Prep Date: 6/13/2022	Analysis Date: 6/15/2022	SeqNo: 3151428			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.2	51.1	141			

Sample ID: LCS-68065	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68065	RunNo: 88742								
Prep Date: 6/13/2022	Analysis Date: 6/15/2022	SeqNo: 3152628			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	99.1	64.4	127			
Surr: DNOP	4.6		5.000		92.7	51.1	141			

Sample ID: LCS-68067	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68067	RunNo: 88742								
Prep Date: 6/13/2022	Analysis Date: 6/15/2022	SeqNo: 3152629			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	101	64.4	127			
Surr: DNOP	5.0		5.000		100	51.1	141			

Sample ID: MB-68067	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68067	RunNo: 88742								
Prep Date: 6/13/2022	Analysis Date: 6/15/2022	SeqNo: 3152630			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.7	51.1	141			

Sample ID: LCS-68103	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68103	RunNo: 88796								
Prep Date: 6/14/2022	Analysis Date: 6/16/2022	SeqNo: 3154083			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	6.0		5.000		120	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206593

06-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68103	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68103	RunNo: 88796								
Prep Date: 6/14/2022	Analysis Date: 6/16/2022	SeqNo: 3154084	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206593

06-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: Ics-68042	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68042		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/13/2022		SeqNo: 3148521		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.7	72.3	137			
Surr: BFB	2800		1000		276	37.7	212			S

Sample ID: mb-68042	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68042		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/13/2022		SeqNo: 3148522		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.9	37.7	212			

Sample ID: Ics-68044	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68044		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/14/2022		SeqNo: 3148545		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.0	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-68044	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68044		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/14/2022		SeqNo: 3148546		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.6	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206593

06-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-68042	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68042		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/13/2022		SeqNo: 3148559		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.8	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		84.4	70	130			

Sample ID: mb-68042	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68042		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/13/2022		SeqNo: 3148560		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.82		1.000		82.1	70	130			

Sample ID: ics-68044	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68044		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/14/2022		SeqNo: 3148594		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.93	0.050	1.000	0	92.8	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.5	70	130			

Sample ID: mb-68044	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68044		RunNo: 88678							
Prep Date: 6/10/2022	Analysis Date: 6/14/2022		SeqNo: 3148595		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2206593 RcptNo: 1

Received By: Cheyenne Cason 6/10/2022 7:20:00 AM
Completed By: Sean Livingston 6/10/2022 8:38:17 AM
Reviewed By: KPA 6.10.22

Handwritten signatures: Cason, S. Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
Adjusted?
Checked by: CMC 6/10/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified:
By Whom:
Regarding:
Client Instructions:
Date:
Via: [] eMail [] Phone [] Fax [] In Person

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.6, Good, [], [], []

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5-day FAT
 Project Name:
Roy SWP #3
 Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
 On site: Yes No

of Coolers: 1
 Cooler Temp (including off): 5.6 @ 5.6

Container Type and #
1x 6oz Jar JCF
 Preservative Type
HEAL No
2206543



www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
6/6/22	0915	Soil	Ex-19 A mg/l ₁₆				X	X	X
	1350		Ex-20 A mg/l ₁₆						
	1445		Ex-26 A mg/l ₁₆						
	0920		Ex-20 7 A mg/l ₁₆						
	1352		Ex-28 A mg/l ₁₆						
	0924		Ex-31 A mg/l ₁₆						
	1117		Ex-32						
	1447		EW-14						
	1354		EW-15						
	1356		EW-16						
6/7/22	1150		EW-17						
	1030		Ex-33						

Remarks: Bill to EOG Artesia
 Per Will, removed an "A" after sample Id's:
 -001,002,003,004,005,006,027,028,029 and
 030, mg/l₁₆

Received by: W. Kennedy Date: 6/12/22 Time: 1458
 Received by: one courier Date: 6/10/22 Time: 0720

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:

Standard Rush 5 day TAT

Project Name:

Roy Swob TAT

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: Yes No

of Coolers: 5

Cooler Temp (Relinquish Off): 5 6 0 5 6

Container Type and #

Preservative Type

HEAL No

Sample Name

Date

Matrix

Time

6/9/22

1317

Soil

ETH-2/12

ETH-2/15

6/9/22

0915

Soil

EW-1A 1876

6/9/22

0717

Soil

EW-3A 1876

6/9/22

1002

Soil

EW-GA 1876

6/9/22

1004

Soil

EW-6A 1876

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
6/9/22	1317	Soil	ETH-2/12	1x4022	ICE	025	X	X	X
6/9/22	1329	Soil	ETH-2/15	1x4022	L	024	L	L	L
6/9/22	0915	Soil	EW-1A 1876	1x4022	ICE	027	X	X	X
6/9/22	0717	Soil	EW-3A 1876	1x4022	L	028	L	L	L
6/9/22	1002	Soil	EW-GA 1876	1x4022	L	029	L	L	L
6/9/22	1004	Soil	EW-6A 1876	1x4022	L	030	L	L	L

Analysis Request

Received by:	Via:	Date	Time
<u>W. Kennedy</u>	<u>via</u>	<u>6/9/22</u>	<u>1458</u>
Received by:	Via:	Date	Time
<u>W. Kennedy</u>	<u>via</u>	<u>6/10/22</u>	<u>0700</u>

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 30, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2206B35

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 11 sample(s) on 6/22/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-3/1

Project: Roy SWD 3

Collection Date: 6/15/2022 1:10:00 PM

Lab ID: 2206B35-001

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/27/2022 3:32:38 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 6:20:52 PM	68331
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 6:20:52 PM	68331
Surr: DNOP	105	51.1-141		%Rec	1	6/24/2022 6:20:52 PM	68331
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/24/2022 5:16:00 PM	68296
Surr: BFB	86.5	37.7-212		%Rec	1	6/24/2022 5:16:00 PM	68296
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 5:16:00 PM	68296
Toluene	ND	0.048		mg/Kg	1	6/24/2022 5:16:00 PM	68296
Ethylbenzene	ND	0.048		mg/Kg	1	6/24/2022 5:16:00 PM	68296
Xylenes, Total	ND	0.097		mg/Kg	1	6/24/2022 5:16:00 PM	68296
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	6/24/2022 5:16:00 PM	68296

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-3/4

Project: Roy SWD 3

Collection Date: 6/15/2022 1:16:00 PM

Lab ID: 2206B35-002

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/27/2022 3:45:02 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/24/2022 7:04:56 PM	68328
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/24/2022 7:04:56 PM	68328
Surr: DNOP	93.6	51.1-141		%Rec	1	6/24/2022 7:04:56 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/24/2022 7:54:00 PM	68315
Surr: BFB	86.9	37.7-212		%Rec	1	6/24/2022 7:54:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 7:54:00 PM	68315
Toluene	ND	0.049		mg/Kg	1	6/24/2022 7:54:00 PM	68315
Ethylbenzene	ND	0.049		mg/Kg	1	6/24/2022 7:54:00 PM	68315
Xylenes, Total	ND	0.097		mg/Kg	1	6/24/2022 7:54:00 PM	68315
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	6/24/2022 7:54:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: ETH-3/8

Project: Roy SWD 3

Collection Date: 6/15/2022 1:33:00 PM

Lab ID: 2206B35-003

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	75	60		mg/Kg	20	6/27/2022 4:22:15 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/24/2022 7:38:00 PM	68328
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	6/24/2022 7:38:00 PM	68328
Surr: DNOP	106	51.1-141		%Rec	1	6/24/2022 7:38:00 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/24/2022 8:53:00 PM	68315
Surr: BFB	85.7	37.7-212		%Rec	1	6/24/2022 8:53:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/24/2022 8:53:00 PM	68315
Toluene	ND	0.047		mg/Kg	1	6/24/2022 8:53:00 PM	68315
Ethylbenzene	ND	0.047		mg/Kg	1	6/24/2022 8:53:00 PM	68315
Xylenes, Total	ND	0.094		mg/Kg	1	6/24/2022 8:53:00 PM	68315
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	6/24/2022 8:53:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-7

Project: Roy SWD 3

Collection Date: 6/20/2022 10:00:00 AM

Lab ID: 2206B35-004

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	360	60		mg/Kg	20	6/27/2022 4:34:39 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 7:49:00 PM	68328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/24/2022 7:49:00 PM	68328
Surr: DNOP	79.0	51.1-141		%Rec	1	6/24/2022 7:49:00 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/24/2022 9:52:00 PM	68315
Surr: BFB	87.2	37.7-212		%Rec	1	6/24/2022 9:52:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/24/2022 9:52:00 PM	68315
Toluene	ND	0.050		mg/Kg	1	6/24/2022 9:52:00 PM	68315
Ethylbenzene	ND	0.050		mg/Kg	1	6/24/2022 9:52:00 PM	68315
Xylenes, Total	ND	0.10		mg/Kg	1	6/24/2022 9:52:00 PM	68315
Surr: 4-Bromofluorobenzene	84.5	70-130		%Rec	1	6/24/2022 9:52:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-8

Project: Roy SWD 3

Collection Date: 6/20/2022 10:02:00 AM

Lab ID: 2206B35-005

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	360	60		mg/Kg	20	6/27/2022 4:47:03 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 7:59:59 PM	68328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 7:59:59 PM	68328
Surr: DNOP	79.0	51.1-141		%Rec	1	6/24/2022 7:59:59 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/24/2022 10:12:00 PM	68315
Surr: BFB	86.0	37.7-212		%Rec	1	6/24/2022 10:12:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 10:12:00 PM	68315
Toluene	ND	0.048		mg/Kg	1	6/24/2022 10:12:00 PM	68315
Ethylbenzene	ND	0.048		mg/Kg	1	6/24/2022 10:12:00 PM	68315
Xylenes, Total	ND	0.095		mg/Kg	1	6/24/2022 10:12:00 PM	68315
Surr: 4-Bromofluorobenzene	85.5	70-130		%Rec	1	6/24/2022 10:12:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-12A

Project: Roy SWD 3

Collection Date: 6/20/2022 10:37:00 AM

Lab ID: 2206B35-006

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	520	60		mg/Kg	20	6/27/2022 5:24:16 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 8:10:59 PM	68328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 8:10:59 PM	68328
Surr: DNOP	57.7	51.1-141		%Rec	1	6/24/2022 8:10:59 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/24/2022 10:32:00 PM	68315
Surr: BFB	85.0	37.7-212		%Rec	1	6/24/2022 10:32:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 10:32:00 PM	68315
Toluene	ND	0.048		mg/Kg	1	6/24/2022 10:32:00 PM	68315
Ethylbenzene	ND	0.048		mg/Kg	1	6/24/2022 10:32:00 PM	68315
Xylenes, Total	ND	0.097		mg/Kg	1	6/24/2022 10:32:00 PM	68315
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	1	6/24/2022 10:32:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-13A

Project: Roy SWD 3

Collection Date: 6/20/2022 10:39:00 AM

Lab ID: 2206B35-007

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	510	60		mg/Kg	20	6/27/2022 5:36:40 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 8:21:52 PM	68328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 8:21:52 PM	68328
Surr: DNOP	65.3	51.1-141		%Rec	1	6/24/2022 8:21:52 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/24/2022 10:52:00 PM	68315
Surr: BFB	85.2	37.7-212		%Rec	1	6/24/2022 10:52:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 10:52:00 PM	68315
Toluene	ND	0.049		mg/Kg	1	6/24/2022 10:52:00 PM	68315
Ethylbenzene	ND	0.049		mg/Kg	1	6/24/2022 10:52:00 PM	68315
Xylenes, Total	ND	0.098		mg/Kg	1	6/24/2022 10:52:00 PM	68315
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	6/24/2022 10:52:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-21A

Project: Roy SWD 3

Collection Date: 6/20/2022 11:15:00 AM

Lab ID: 2206B35-008

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	600	60		mg/Kg	20	6/27/2022 6:13:54 PM	68377
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 8:32:50 PM	68328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 8:32:50 PM	68328
Surr: DNOP	77.5	51.1-141		%Rec	1	6/24/2022 8:32:50 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/24/2022 11:11:00 PM	68315
Surr: BFB	87.9	37.7-212		%Rec	1	6/24/2022 11:11:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/24/2022 11:11:00 PM	68315
Toluene	ND	0.050		mg/Kg	1	6/24/2022 11:11:00 PM	68315
Ethylbenzene	ND	0.050		mg/Kg	1	6/24/2022 11:11:00 PM	68315
Xylenes, Total	ND	0.10		mg/Kg	1	6/24/2022 11:11:00 PM	68315
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	6/24/2022 11:11:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-23A

Project: Roy SWD 3

Collection Date: 6/20/2022 10:43:00 AM

Lab ID: 2206B35-009

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	380	60		mg/Kg	20	6/28/2022 12:13:39 AM	68393
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 8:43:41 PM	68328
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/24/2022 8:43:41 PM	68328
Surr: DNOP	97.1	51.1-141		%Rec	1	6/24/2022 8:43:41 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	6/24/2022 11:31:00 PM	68315
Surr: BFB	87.6	37.7-212		%Rec	1	6/24/2022 11:31:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/24/2022 11:31:00 PM	68315
Toluene	ND	0.046		mg/Kg	1	6/24/2022 11:31:00 PM	68315
Ethylbenzene	ND	0.046		mg/Kg	1	6/24/2022 11:31:00 PM	68315
Xylenes, Total	ND	0.092		mg/Kg	1	6/24/2022 11:31:00 PM	68315
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	6/24/2022 11:31:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-28A

Project: Roy SWD 3

Collection Date: 6/20/2022 11:17:00 AM

Lab ID: 2206B35-010

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	720	60		mg/Kg	20	6/28/2022 12:26:04 AM	68393
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/24/2022 8:54:35 PM	68328
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/24/2022 8:54:35 PM	68328
Surr: DNOP	60.4	51.1-141		%Rec	1	6/24/2022 8:54:35 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/24/2022 11:51:00 PM	68315
Surr: BFB	86.5	37.7-212		%Rec	1	6/24/2022 11:51:00 PM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/24/2022 11:51:00 PM	68315
Toluene	ND	0.047		mg/Kg	1	6/24/2022 11:51:00 PM	68315
Ethylbenzene	ND	0.047		mg/Kg	1	6/24/2022 11:51:00 PM	68315
Xylenes, Total	ND	0.094		mg/Kg	1	6/24/2022 11:51:00 PM	68315
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	6/24/2022 11:51:00 PM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2206B35**

Date Reported: **6/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-18

Project: Roy SWD 3

Collection Date: 6/20/2022 11:40:00 AM

Lab ID: 2206B35-011

Matrix:

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	880	60		mg/Kg	20	6/28/2022 12:38:29 AM	68393
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/29/2022 3:12:37 PM	68328
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/29/2022 3:12:37 PM	68328
Surr: DNOP	68.6	51.1-141		%Rec	1	6/29/2022 3:12:37 PM	68328
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/25/2022 12:11:00 AM	68315
Surr: BFB	88.7	37.7-212		%Rec	1	6/25/2022 12:11:00 AM	68315
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/25/2022 12:11:00 AM	68315
Toluene	ND	0.049		mg/Kg	1	6/25/2022 12:11:00 AM	68315
Ethylbenzene	ND	0.049		mg/Kg	1	6/25/2022 12:11:00 AM	68315
Xylenes, Total	ND	0.098		mg/Kg	1	6/25/2022 12:11:00 AM	68315
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	6/25/2022 12:11:00 AM	68315

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B35

30-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68377	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68377	RunNo: 89045								
Prep Date: 6/27/2022	Analysis Date: 6/27/2022	SeqNo: 3164356	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68377	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68377	RunNo: 89045								
Prep Date: 6/27/2022	Analysis Date: 6/27/2022	SeqNo: 3164357	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Sample ID: MB-68393	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68393	RunNo: 89045								
Prep Date: 6/27/2022	Analysis Date: 6/27/2022	SeqNo: 3164388	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68393	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68393	RunNo: 89045								
Prep Date: 6/27/2022	Analysis Date: 6/27/2022	SeqNo: 3164389	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B35

30-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-68331	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 68331		RunNo: 89016							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161315				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	15	50.00	0	121	64.4	127			
Surr: DNOP	5.8		5.000		116	51.1	141			

Sample ID: MB-68331	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 68331		RunNo: 89016							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161317				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.3	51.1	141			

Sample ID: LCS-68328	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 68328		RunNo: 89016							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3162504				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	108	64.4	127			
Surr: DNOP	5.0		5.000		99.8	51.1	141			

Sample ID: MB-68328	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 68328		RunNo: 89016							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3162505				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.1	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B35

30-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: Ics-68296	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68296		RunNo: 89028							
Prep Date: 6/22/2022	Analysis Date: 6/24/2022		SeqNo: 3161636		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.4	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-68296	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68296		RunNo: 89028							
Prep Date: 6/22/2022	Analysis Date: 6/24/2022		SeqNo: 3161637		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.6	37.7	212			

Sample ID: Ics-68315	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68315		RunNo: 89028							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161660		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.9	72.3	137			
Surr: BFB	1900		1000		188	37.7	212			

Sample ID: mb-68315	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68315		RunNo: 89028							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161661		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.5	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B35

30-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-68296	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68296		RunNo: 89028							
Prep Date: 6/22/2022	Analysis Date: 6/24/2022		SeqNo: 3161708		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.3	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.8	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: mb-68296	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68296		RunNo: 89028							
Prep Date: 6/22/2022	Analysis Date: 6/24/2022		SeqNo: 3161709		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	70	130			

Sample ID: ics-68315	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68315		RunNo: 89028							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161732		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.1	70	130			

Sample ID: mb-68315	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68315		RunNo: 89028							
Prep Date: 6/23/2022	Analysis Date: 6/24/2022		SeqNo: 3161733		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.83		1.000		83.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2206B35

RcptNo: 1

Received By: Cheyenne Cason 6/22/2022 7:20:00 AM

Handwritten signature

Completed By: Cheyenne Cason 6/22/2022 9:23:23 AM

Handwritten signature

Reviewed By: jn 6/22/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted?

Checked by: [Handwritten signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.1, Good, Not Present, [], [], []

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) Excel

Turn-Around Time:

Standard Rush 5-day TAT

Project Name:

ROY SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy; Tony Martinez
 On Ice: Yes No

of Coolers: 1

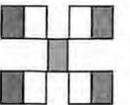
Cooler Temp (including CF): 5.0 + 0.1 + 5.0 + 5.1

Container Type and #

Preservative Type

HEAL No. 2206B35

BTEX (8021)
 TPH:8015D(GRO / DRO / MRO)
 Chloride (EPA 300)



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Remarks
6/15/23	1310	Soil	ETH-3/1	1x 4oz can	ICE	001	X X X
	1316		ETH-3/4			002	X X X
	1335		ETH-3/8			003	X X X
6/20/23	1000	Soil	EW-7			004	X X X
	1002		EW-8			005	X X X
	1037		EX-18A			006	X X X
	1039		EX-13A			007	X X X
	1115		EX-21A			008	X X X
	1043		EX-23A			009	X X X
	1117		EX-28A			010	X X X
	1140		EW-18			011	X X X
Date: 6/21/23 Time: 0755 Relinquished by: W. Kennedy Date: 6/21/23 Time: 1900 Relinquished by: W. Kennedy Received by: W. Kennedy Date: 6/21/23 Time: 1955 Received by: W. Kennedy Date: 6/21/23 Time: 1955 Via: W. Kennedy Date: 6/21/23 Time: 1955 Remarks: Bill to EOG Artesia							

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 25, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2207348

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 37 sample(s) on 7/9/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-39

Project: Roy SWD 3

Collection Date: 7/7/2022 12:06:00 PM

Lab ID: 2207348-001

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	60		mg/Kg	20	7/14/2022 3:59:38 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 10:30:42 AM	68717
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 10:30:42 AM	68717
Surr: DNOP	88.7	51.1-141		%Rec	1	7/15/2022 10:30:42 AM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 10:34:00 PM	68702
Surr: BFB	81.7	37.7-212		%Rec	1	7/13/2022 10:34:00 PM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/13/2022 10:34:00 PM	68702
Toluene	ND	0.049		mg/Kg	1	7/13/2022 10:34:00 PM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 10:34:00 PM	68702
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2022 10:34:00 PM	68702
Surr: 4-Bromofluorobenzene	81.7	70-130		%Rec	1	7/13/2022 10:34:00 PM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-40

Project: Roy SWD 3

Collection Date: 7/7/2022 12:08:00 PM

Lab ID: 2207348-002

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2300	60		mg/Kg	20	7/14/2022 4:12:02 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 10:54:36 AM	68717
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 10:54:36 AM	68717
Surr: DNOP	115	51.1-141		%Rec	1	7/15/2022 10:54:36 AM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 10:54:00 PM	68702
Surr: BFB	83.0	37.7-212		%Rec	1	7/13/2022 10:54:00 PM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/13/2022 10:54:00 PM	68702
Toluene	ND	0.049		mg/Kg	1	7/13/2022 10:54:00 PM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 10:54:00 PM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/13/2022 10:54:00 PM	68702
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	7/13/2022 10:54:00 PM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-41

Project: Roy SWD 3

Collection Date: 7/7/2022 12:10:00 PM

Lab ID: 2207348-003

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	990	59		mg/Kg	20	7/14/2022 4:24:27 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 11:18:31 AM	68717
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/15/2022 11:18:31 AM	68717
Surr: DNOP	101	51.1-141		%Rec	1	7/15/2022 11:18:31 AM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 11:13:00 PM	68702
Surr: BFB	82.7	37.7-212		%Rec	1	7/13/2022 11:13:00 PM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/13/2022 11:13:00 PM	68702
Toluene	ND	0.050		mg/Kg	1	7/13/2022 11:13:00 PM	68702
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 11:13:00 PM	68702
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2022 11:13:00 PM	68702
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	7/13/2022 11:13:00 PM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-43

Project: Roy SWD 3

Collection Date: 7/7/2022 12:12:00 PM

Lab ID: 2207348-004

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2400	150		mg/Kg	50	7/18/2022 6:25:36 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 11:42:27 AM	68717
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 11:42:27 AM	68717
Surr: DNOP	100	51.1-141		%Rec	1	7/15/2022 11:42:27 AM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 11:33:00 PM	68702
Surr: BFB	84.0	37.7-212		%Rec	1	7/13/2022 11:33:00 PM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/13/2022 11:33:00 PM	68702
Toluene	ND	0.049		mg/Kg	1	7/13/2022 11:33:00 PM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 11:33:00 PM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/13/2022 11:33:00 PM	68702
Surr: 4-Bromofluorobenzene	82.5	70-130		%Rec	1	7/13/2022 11:33:00 PM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-19

Project: Roy SWD 3

Collection Date: 7/7/2022 12:14:00 PM

Lab ID: 2207348-005

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	740	60		mg/Kg	20	7/14/2022 4:49:17 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 12:06:22 PM	68717
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2022 12:06:22 PM	68717
Surr: DNOP	106	51.1-141		%Rec	1	7/15/2022 12:06:22 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2022 12:13:00 AM	68702
Surr: BFB	86.2	37.7-212		%Rec	1	7/14/2022 12:13:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 12:13:00 AM	68702
Toluene	ND	0.048		mg/Kg	1	7/14/2022 12:13:00 AM	68702
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2022 12:13:00 AM	68702
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 12:13:00 AM	68702
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	7/14/2022 12:13:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-1

Project: Roy SWD 3

Collection Date: 7/8/2022 9:00:00 AM

Lab ID: 2207348-006

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	750	60		mg/Kg	20	7/14/2022 5:01:43 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 12:30:17 PM	68717
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 12:30:17 PM	68717
Surr: DNOP	59.0	51.1-141		%Rec	1	7/15/2022 12:30:17 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 12:33:00 AM	68702
Surr: BFB	83.0	37.7-212		%Rec	1	7/14/2022 12:33:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 12:33:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 12:33:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 12:33:00 AM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 12:33:00 AM	68702
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	7/14/2022 12:33:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-2

Project: Roy SWD 3

Collection Date: 7/8/2022 9:02:00 AM

Lab ID: 2207348-007

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1600	60		mg/Kg	20	7/14/2022 5:14:07 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 12:54:16 PM	68717
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/15/2022 12:54:16 PM	68717
Surr: DNOP	79.4	51.1-141		%Rec	1	7/15/2022 12:54:16 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2022 12:52:00 AM	68702
Surr: BFB	84.5	37.7-212		%Rec	1	7/14/2022 12:52:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 12:52:00 AM	68702
Toluene	ND	0.048		mg/Kg	1	7/14/2022 12:52:00 AM	68702
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2022 12:52:00 AM	68702
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2022 12:52:00 AM	68702
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	7/14/2022 12:52:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-3

Project: Roy SWD 3

Collection Date: 7/8/2022 9:04:00 AM

Lab ID: 2207348-008

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1200	60		mg/Kg	20	7/14/2022 5:26:33 PM	68763
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 1:18:07 PM	68717
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 1:18:07 PM	68717
Surr: DNOP	96.5	51.1-141		%Rec	1	7/15/2022 1:18:07 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2022 1:12:00 AM	68702
Surr: BFB	84.6	37.7-212		%Rec	1	7/14/2022 1:12:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 1:12:00 AM	68702
Toluene	ND	0.048		mg/Kg	1	7/14/2022 1:12:00 AM	68702
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2022 1:12:00 AM	68702
Xylenes, Total	ND	0.096		mg/Kg	1	7/14/2022 1:12:00 AM	68702
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	7/14/2022 1:12:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-4

Project: Roy SWD 3

Collection Date: 7/8/2022 9:06:00 AM

Lab ID: 2207348-009

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1600	60		mg/Kg	20	7/14/2022 12:16:53 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 1:42:04 PM	68717
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/15/2022 1:42:04 PM	68717
Surr: DNOP	78.0	51.1-141		%Rec	1	7/15/2022 1:42:04 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 1:32:00 AM	68702
Surr: BFB	84.0	37.7-212		%Rec	1	7/14/2022 1:32:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 1:32:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 1:32:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 1:32:00 AM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 1:32:00 AM	68702
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	7/14/2022 1:32:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-5

Project: Roy SWD 3

Collection Date: 7/8/2022 9:08:00 AM

Lab ID: 2207348-010

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	4300	150		mg/Kg	50	7/14/2022 10:54:57 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 4:48:07 AM	68717
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/14/2022 4:48:07 AM	68717
Surr: DNOP	7.13	51.1-141	S	%Rec	1	7/14/2022 4:48:07 AM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 1:52:00 AM	68702
Surr: BFB	85.1	37.7-212		%Rec	1	7/14/2022 1:52:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 1:52:00 AM	68702
Toluene	ND	0.050		mg/Kg	1	7/14/2022 1:52:00 AM	68702
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 1:52:00 AM	68702
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 1:52:00 AM	68702
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	7/14/2022 1:52:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-6

Project: Roy SWD 3

Collection Date: 7/8/2022 9:10:00 AM

Lab ID: 2207348-011

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1700	60		mg/Kg	20	7/14/2022 12:41:42 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 3:48:30 PM	68717
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 3:48:30 PM	68717
Surr: DNOP	88.3	51.1-141		%Rec	1	7/15/2022 3:48:30 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:11:00 AM	68702
Surr: BFB	86.3	37.7-212		%Rec	1	7/14/2022 2:11:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:11:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:11:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:11:00 AM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 2:11:00 AM	68702
Surr: 4-Bromofluorobenzene	82.9	70-130		%Rec	1	7/14/2022 2:11:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-7

Project: Roy SWD 3

Collection Date: 7/8/2022 9:12:00 AM

Lab ID: 2207348-012

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2400	150		mg/Kg	50	7/14/2022 11:07:22 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 4:12:27 PM	68717
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 4:12:27 PM	68717
Surr: DNOP	133	51.1-141		%Rec	1	7/15/2022 4:12:27 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:31:00 AM	68702
Surr: BFB	89.9	37.7-212		%Rec	1	7/14/2022 2:31:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 2:31:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:31:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:31:00 AM	68702
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 2:31:00 AM	68702
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	7/14/2022 2:31:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-8

Project: Roy SWD 3

Collection Date: 7/8/2022 9:14:00 AM

Lab ID: 2207348-013

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	740	60		mg/Kg	20	7/14/2022 1:56:12 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 4:36:28 PM	68717
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 4:36:28 PM	68717
Surr: DNOP	109	51.1-141		%Rec	1	7/15/2022 4:36:28 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:51:00 AM	68702
Surr: BFB	83.1	37.7-212		%Rec	1	7/14/2022 2:51:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:51:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:51:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:51:00 AM	68702
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 2:51:00 AM	68702
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	7/14/2022 2:51:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-9

Project: Roy SWD 3

Collection Date: 7/8/2022 9:16:00 AM

Lab ID: 2207348-014

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	720	60		mg/Kg	20	7/14/2022 2:08:37 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/14/2022 10:17:29 PM	68717
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/14/2022 10:17:29 PM	68717
Surr: DNOP	129	51.1-141		%Rec	1	7/14/2022 10:17:29 PM	68717
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 3:11:00 AM	68702
Surr: BFB	84.8	37.7-212		%Rec	1	7/14/2022 3:11:00 AM	68702
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/14/2022 3:11:00 AM	68702
Toluene	ND	0.049		mg/Kg	1	7/14/2022 3:11:00 AM	68702
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 3:11:00 AM	68702
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 3:11:00 AM	68702
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	7/14/2022 3:11:00 AM	68702

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-10

Project: Roy SWD 3

Collection Date: 7/8/2022 9:18:00 AM

Lab ID: 2207348-015

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1300	60		mg/Kg	20	7/14/2022 2:21:02 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/14/2022 10:41:27 PM	68718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/14/2022 10:41:27 PM	68718
Surr: DNOP	78.8	51.1-141		%Rec	1	7/14/2022 10:41:27 PM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 5:33:00 PM	68709
Surr: BFB	97.8	37.7-212		%Rec	1	7/13/2022 5:33:00 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 5:33:00 PM	68709
Toluene	ND	0.049		mg/Kg	1	7/13/2022 5:33:00 PM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 5:33:00 PM	68709
Xylenes, Total	ND	0.098		mg/Kg	1	7/13/2022 5:33:00 PM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/13/2022 5:33:00 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-11

Project: Roy SWD 3

Collection Date: 7/8/2022 9:20:00 AM

Lab ID: 2207348-016

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2200	60		mg/Kg	20	7/14/2022 2:33:26 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/14/2022 11:05:20 PM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/14/2022 11:05:20 PM	68718
Surr: DNOP	64.6	51.1-141		%Rec	1	7/14/2022 11:05:20 PM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 6:44:13 PM	68709
Surr: BFB	99.9	37.7-212		%Rec	1	7/13/2022 6:44:13 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 6:44:13 PM	68709
Toluene	ND	0.050		mg/Kg	1	7/13/2022 6:44:13 PM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 6:44:13 PM	68709
Xylenes, Total	ND	0.10		mg/Kg	1	7/13/2022 6:44:13 PM	68709
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/13/2022 6:44:13 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-12

Project: Roy SWD 3

Collection Date: 7/8/2022 9:22:00 AM

Lab ID: 2207348-017

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	180	60		mg/Kg	20	7/14/2022 2:45:52 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/14/2022 11:29:13 PM	68718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2022 11:29:13 PM	68718
Surr: DNOP	54.4	51.1-141		%Rec	1	7/14/2022 11:29:13 PM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/13/2022 7:55:20 PM	68709
Surr: BFB	97.3	37.7-212		%Rec	1	7/13/2022 7:55:20 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/13/2022 7:55:20 PM	68709
Toluene	ND	0.048		mg/Kg	1	7/13/2022 7:55:20 PM	68709
Ethylbenzene	ND	0.048		mg/Kg	1	7/13/2022 7:55:20 PM	68709
Xylenes, Total	ND	0.096		mg/Kg	1	7/13/2022 7:55:20 PM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/13/2022 7:55:20 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-13

Project: Roy SWD 3

Collection Date: 7/8/2022 9:24:00 AM

Lab ID: 2207348-018

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	590	60		mg/Kg	20	7/14/2022 2:58:17 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 11:43:09 AM	68805
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2022 11:43:09 AM	68805
Surr: DNOP	57.6	51.1-141		%Rec	1	7/16/2022 11:43:09 AM	68805
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 8:18:59 PM	68709
Surr: BFB	97.1	37.7-212		%Rec	1	7/13/2022 8:18:59 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 8:18:59 PM	68709
Toluene	ND	0.050		mg/Kg	1	7/13/2022 8:18:59 PM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 8:18:59 PM	68709
Xylenes, Total	ND	0.10		mg/Kg	1	7/13/2022 8:18:59 PM	68709
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/13/2022 8:18:59 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-14

Project: Roy SWD 3

Collection Date: 7/8/2022 9:26:00 AM

Lab ID: 2207348-019

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	230	60		mg/Kg	20	7/14/2022 3:10:42 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 12:17:10 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 12:17:10 AM	68718
Surr: DNOP	55.4	51.1-141		%Rec	1	7/15/2022 12:17:10 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 8:42:37 PM	68709
Surr: BFB	96.9	37.7-212		%Rec	1	7/13/2022 8:42:37 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/13/2022 8:42:37 PM	68709
Toluene	ND	0.049		mg/Kg	1	7/13/2022 8:42:37 PM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 8:42:37 PM	68709
Xylenes, Total	ND	0.098		mg/Kg	1	7/13/2022 8:42:37 PM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/13/2022 8:42:37 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-15

Project: Roy SWD 3

Collection Date: 7/8/2022 9:28:00 AM

Lab ID: 2207348-020

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	580	60		mg/Kg	20	7/14/2022 3:23:06 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 12:41:02 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 12:41:02 AM	68718
Surr: DNOP	56.5	51.1-141		%Rec	1	7/15/2022 12:41:02 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 9:06:13 PM	68709
Surr: BFB	95.8	37.7-212		%Rec	1	7/13/2022 9:06:13 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 9:06:13 PM	68709
Toluene	ND	0.049		mg/Kg	1	7/13/2022 9:06:13 PM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 9:06:13 PM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2022 9:06:13 PM	68709
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	7/13/2022 9:06:13 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-16

Project: Roy SWD 3

Collection Date: 7/8/2022 9:30:00 AM

Lab ID: 2207348-021

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	900	60		mg/Kg	20	7/14/2022 3:35:31 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 1:05:00 AM	68718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 1:05:00 AM	68718
Surr: DNOP	58.0	51.1-141		%Rec	1	7/15/2022 1:05:00 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 9:29:46 PM	68709
Surr: BFB	95.4	37.7-212		%Rec	1	7/13/2022 9:29:46 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/13/2022 9:29:46 PM	68709
Toluene	ND	0.049		mg/Kg	1	7/13/2022 9:29:46 PM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 9:29:46 PM	68709
Xylenes, Total	ND	0.098		mg/Kg	1	7/13/2022 9:29:46 PM	68709
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	7/13/2022 9:29:46 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-17

Project: Roy SWD 3

Collection Date: 7/8/2022 9:32:00 AM

Lab ID: 2207348-022

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	490	60		mg/Kg	20	7/14/2022 3:47:56 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 1:28:53 AM	68718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 1:28:53 AM	68718
Surr: DNOP	59.1	51.1-141		%Rec	1	7/15/2022 1:28:53 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/13/2022 9:53:27 PM	68709
Surr: BFB	96.0	37.7-212		%Rec	1	7/13/2022 9:53:27 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/13/2022 9:53:27 PM	68709
Toluene	ND	0.049		mg/Kg	1	7/13/2022 9:53:27 PM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/13/2022 9:53:27 PM	68709
Xylenes, Total	ND	0.097		mg/Kg	1	7/13/2022 9:53:27 PM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/13/2022 9:53:27 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-18

Project: Roy SWD 3

Collection Date: 7/8/2022 9:34:00 AM

Lab ID: 2207348-023

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	67	60		mg/Kg	20	7/14/2022 4:50:01 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 1:52:45 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 1:52:45 AM	68718
Surr: DNOP	58.7	51.1-141		%Rec	1	7/15/2022 1:52:45 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 10:17:00 PM	68709
Surr: BFB	95.0	37.7-212		%Rec	1	7/13/2022 10:17:00 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 10:17:00 PM	68709
Toluene	ND	0.050		mg/Kg	1	7/13/2022 10:17:00 PM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 10:17:00 PM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/13/2022 10:17:00 PM	68709
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	7/13/2022 10:17:00 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-19

Project: Roy SWD 3

Collection Date: 7/8/2022 9:36:00 AM

Lab ID: 2207348-024

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	190	60		mg/Kg	20	7/14/2022 5:02:26 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 2:16:39 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 2:16:39 AM	68718
Surr: DNOP	74.3	51.1-141		%Rec	1	7/15/2022 2:16:39 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/13/2022 10:40:34 PM	68709
Surr: BFB	94.2	37.7-212		%Rec	1	7/13/2022 10:40:34 PM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/13/2022 10:40:34 PM	68709
Toluene	ND	0.050		mg/Kg	1	7/13/2022 10:40:34 PM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/13/2022 10:40:34 PM	68709
Xylenes, Total	ND	0.10		mg/Kg	1	7/13/2022 10:40:34 PM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/13/2022 10:40:34 PM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-20

Project: Roy SWD 3

Collection Date: 7/8/2022 10:45:00 AM

Lab ID: 2207348-025

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	60		mg/Kg	20	7/14/2022 5:14:50 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 2:40:28 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 2:40:28 AM	68718
Surr: DNOP	61.6	51.1-141		%Rec	1	7/15/2022 2:40:28 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 12:14:56 AM	68709
Surr: BFB	95.2	37.7-212		%Rec	1	7/14/2022 12:14:56 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 12:14:56 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 12:14:56 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 12:14:56 AM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 12:14:56 AM	68709
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	7/14/2022 12:14:56 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-21

Project: Roy SWD 3

Collection Date: 7/8/2022 10:47:00 AM

Lab ID: 2207348-026

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	68	60		mg/Kg	20	7/14/2022 5:27:15 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 3:04:10 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 3:04:10 AM	68718
Surr: DNOP	59.2	51.1-141		%Rec	1	7/15/2022 3:04:10 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/14/2022 12:38:25 AM	68709
Surr: BFB	95.3	37.7-212		%Rec	1	7/14/2022 12:38:25 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2022 12:38:25 AM	68709
Toluene	ND	0.048		mg/Kg	1	7/14/2022 12:38:25 AM	68709
Ethylbenzene	ND	0.048		mg/Kg	1	7/14/2022 12:38:25 AM	68709
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 12:38:25 AM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2022 12:38:25 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-22

Project: Roy SWD 3

Collection Date: 7/8/2022 10:49:00 AM

Lab ID: 2207348-027

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	470	60		mg/Kg	20	7/14/2022 5:39:40 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 3:27:49 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 3:27:49 AM	68718
Surr: DNOP	53.4	51.1-141		%Rec	1	7/15/2022 3:27:49 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 1:01:57 AM	68709
Surr: BFB	95.5	37.7-212		%Rec	1	7/14/2022 1:01:57 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/14/2022 1:01:57 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 1:01:57 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 1:01:57 AM	68709
Xylenes, Total	ND	0.097		mg/Kg	1	7/14/2022 1:01:57 AM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2022 1:01:57 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-1

Project: Roy SWD 3

Collection Date: 7/8/2022 10:54:00 AM

Lab ID: 2207348-028

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	320	60		mg/Kg	20	7/14/2022 5:52:04 AM	68765
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 3:51:38 AM	68718
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 3:51:38 AM	68718
Surr: DNOP	51.6	51.1-141		%Rec	1	7/15/2022 3:51:38 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 1:25:35 AM	68709
Surr: BFB	96.5	37.7-212		%Rec	1	7/14/2022 1:25:35 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 1:25:35 AM	68709
Toluene	ND	0.050		mg/Kg	1	7/14/2022 1:25:35 AM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 1:25:35 AM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 1:25:35 AM	68709
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/14/2022 1:25:35 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-2

Project: Roy SWD 3

Collection Date: 7/8/2022 10:56:00 AM

Lab ID: 2207348-029

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1500	60		mg/Kg	20	7/14/2022 7:18:16 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/16/2022 11:57:29 AM	68805
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/16/2022 11:57:29 AM	68805
Surr: DNOP	58.8	51.1-141		%Rec	1	7/16/2022 11:57:29 AM	68805
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 1:49:12 AM	68709
Surr: BFB	96.2	37.7-212		%Rec	1	7/14/2022 1:49:12 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 1:49:12 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 1:49:12 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 1:49:12 AM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 1:49:12 AM	68709
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/14/2022 1:49:12 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-3

Project: Roy SWD 3

Collection Date: 7/8/2022 10:57:00 AM

Lab ID: 2207348-030

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2300	60		mg/Kg	20	7/14/2022 7:55:31 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/16/2022 12:11:45 PM	68805
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/16/2022 12:11:45 PM	68805
Surr: DNOP	54.8	51.1-141		%Rec	1	7/16/2022 12:11:45 PM	68805
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:12:48 AM	68709
Surr: BFB	95.2	37.7-212		%Rec	1	7/14/2022 2:12:48 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:12:48 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:12:48 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:12:48 AM	68709
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 2:12:48 AM	68709
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/14/2022 2:12:48 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-4

Project: Roy SWD 3

Collection Date: 7/8/2022 10:59:00 AM

Lab ID: 2207348-031

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3700	150		mg/Kg	50	7/18/2022 6:38:01 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 5:26:51 AM	68718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 5:26:51 AM	68718
Surr: DNOP	53.6	51.1-141		%Rec	1	7/15/2022 5:26:51 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:36:19 AM	68709
Surr: BFB	96.6	37.7-212		%Rec	1	7/14/2022 2:36:19 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:36:19 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:36:19 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:36:19 AM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 2:36:19 AM	68709
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2022 2:36:19 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-5

Project: Roy SWD 3

Collection Date: 7/8/2022 11:01:00 AM

Lab ID: 2207348-032

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	5100	150		mg/Kg	50	7/18/2022 6:50:26 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 5:50:43 AM	68718
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 5:50:43 AM	68718
Surr: DNOP	51.5	51.1-141		%Rec	1	7/15/2022 5:50:43 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 2:59:51 AM	68709
Surr: BFB	96.9	37.7-212		%Rec	1	7/14/2022 2:59:51 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 2:59:51 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 2:59:51 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 2:59:51 AM	68709
Xylenes, Total	ND	0.098		mg/Kg	1	7/14/2022 2:59:51 AM	68709
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/14/2022 2:59:51 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-6

Project: Roy SWD 3

Collection Date: 7/8/2022 11:02:00 AM

Lab ID: 2207348-033

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	680	150		mg/Kg	50	7/18/2022 7:02:50 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 11:56:55 PM	68718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 11:56:55 PM	68718
Surr: DNOP	8.93	51.1-141	S	%Rec	1	7/13/2022 11:56:55 PM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 3:23:23 AM	68709
Surr: BFB	94.2	37.7-212		%Rec	1	7/14/2022 3:23:23 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 3:23:23 AM	68709
Toluene	ND	0.049		mg/Kg	1	7/14/2022 3:23:23 AM	68709
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 3:23:23 AM	68709
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 3:23:23 AM	68709
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	7/14/2022 3:23:23 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-7

Project: Roy SWD 3

Collection Date: 7/8/2022 11:03:00 AM

Lab ID: 2207348-034

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	150		mg/Kg	50	7/18/2022 7:15:15 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/14/2022 12:11:06 AM	68718
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/14/2022 12:11:06 AM	68718
Surr: DNOP	8.28	51.1-141	S	%Rec	1	7/14/2022 12:11:06 AM	68718
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 3:47:01 AM	68709
Surr: BFB	96.1	37.7-212		%Rec	1	7/14/2022 3:47:01 AM	68709
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/14/2022 3:47:01 AM	68709
Toluene	ND	0.050		mg/Kg	1	7/14/2022 3:47:01 AM	68709
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 3:47:01 AM	68709
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 3:47:01 AM	68709
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/14/2022 3:47:01 AM	68709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-8

Project: Roy SWD 3

Collection Date: 7/8/2022 11:04:00 AM

Lab ID: 2207348-035

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	82	60		mg/Kg	20	7/20/2022 5:37:53 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 3:02:08 PM	68719
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/13/2022 3:02:08 PM	68719
Surr: DNOP	73.8	51.1-141		%Rec	1	7/13/2022 3:02:08 PM	68719
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 5:09:00 AM	68713
Surr: BFB	85.4	37.7-212		%Rec	1	7/14/2022 5:09:00 AM	68713
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 5:09:00 AM	68713
Toluene	ND	0.050		mg/Kg	1	7/14/2022 5:09:00 AM	68713
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 5:09:00 AM	68713
Xylenes, Total	ND	0.10		mg/Kg	1	7/14/2022 5:09:00 AM	68713
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	7/14/2022 5:09:00 AM	68713

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-9

Project: Roy SWD 3

Collection Date: 7/8/2022 11:05:00 AM

Lab ID: 2207348-036

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	330	150		mg/Kg	50	7/18/2022 7:40:04 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/13/2022 3:26:07 PM	68719
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/13/2022 3:26:07 PM	68719
Surr: DNOP	91.1	51.1-141		%Rec	1	7/13/2022 3:26:07 PM	68719
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/14/2022 6:09:00 AM	68713
Surr: BFB	83.7	37.7-212		%Rec	1	7/14/2022 6:09:00 AM	68713
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 6:09:00 AM	68713
Toluene	ND	0.049		mg/Kg	1	7/14/2022 6:09:00 AM	68713
Ethylbenzene	ND	0.049		mg/Kg	1	7/14/2022 6:09:00 AM	68713
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 6:09:00 AM	68713
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	7/14/2022 6:09:00 AM	68713

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207348**

Date Reported: 7/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-11

Project: Roy SWD 3

Collection Date: 7/8/2022 11:10:00 AM

Lab ID: 2207348-037

Matrix: SOIL

Received Date: 7/9/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	7/15/2022 9:04:36 PM	68793
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/13/2022 3:50:06 PM	68719
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/13/2022 3:50:06 PM	68719
Surr: DNOP	80.7	51.1-141		%Rec	1	7/13/2022 3:50:06 PM	68719
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/14/2022 7:08:00 AM	68713
Surr: BFB	86.1	37.7-212		%Rec	1	7/14/2022 7:08:00 AM	68713
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/14/2022 7:08:00 AM	68713
Toluene	ND	0.050		mg/Kg	1	7/14/2022 7:08:00 AM	68713
Ethylbenzene	ND	0.050		mg/Kg	1	7/14/2022 7:08:00 AM	68713
Xylenes, Total	ND	0.099		mg/Kg	1	7/14/2022 7:08:00 AM	68713
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	7/14/2022 7:08:00 AM	68713

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68765	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68765	RunNo: 89474								
Prep Date: 7/13/2022	Analysis Date: 7/13/2022	SeqNo: 3183755	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68765	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68765	RunNo: 89474								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3183756	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

Sample ID: MB-68763	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68763	RunNo: 89508								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3185280	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68763	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68763	RunNo: 89508								
Prep Date: 7/13/2022	Analysis Date: 7/14/2022	SeqNo: 3185282	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

Sample ID: MB-68793	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68793	RunNo: 89508								
Prep Date: 7/14/2022	Analysis Date: 7/14/2022	SeqNo: 3185335	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68793	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68793	RunNo: 89508								
Prep Date: 7/14/2022	Analysis Date: 7/14/2022	SeqNo: 3185336	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68719	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68719	RunNo: 89438								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183094	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.1	51.1	141			

Sample ID: LCS-68719	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68719	RunNo: 89438								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183095	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	88.2	64.4	127			
Surr: DNOP	4.1		5.000		82.0	51.1	141			

Sample ID: MB-68718	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68718	RunNo: 89442								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3184231	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.3	51.1	141			

Sample ID: LCS-68718	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68718	RunNo: 89442								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3184232	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.4	64.4	127			
Surr: DNOP	3.9		5.000		77.7	51.1	141			

Sample ID: MB-68717	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68717	RunNo: 89483								
Prep Date: 7/12/2022	Analysis Date: 7/15/2022	SeqNo: 3184880	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		68.7	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-68717	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68717	RunNo: 89483								
Prep Date: 7/12/2022	Analysis Date: 7/15/2022	SeqNo: 3184881	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	15	50.00	0	97.2	64.4	127			
Surr: DNOP	2.8		5.000		55.5	51.1	141			

Sample ID: MB-68805	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68805	RunNo: 89556								
Prep Date: 7/15/2022	Analysis Date: 7/16/2022	SeqNo: 3188001	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.1		10.00		61.5	51.1	141			

Sample ID: LCS-68805	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68805	RunNo: 89556								
Prep Date: 7/15/2022	Analysis Date: 7/16/2022	SeqNo: 3188002	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	91.2	64.4	127			
Surr: DNOP	3.4		5.000		67.0	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68709	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68709	RunNo: 89443								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3182545	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.0	37.7	212			

Sample ID: lcs-68709	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68709	RunNo: 89443								
Prep Date: 7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3182546	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		201	37.7	212			

Sample ID: lcs-68702	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68702	RunNo: 89471								
Prep Date: 7/11/2022	Analysis Date: 7/13/2022	SeqNo: 3183392	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.4	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: mb-68702	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68702	RunNo: 89471								
Prep Date: 7/11/2022	Analysis Date: 7/13/2022	SeqNo: 3183394	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.2	37.7	212			

Sample ID: lcs-68713	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 68713	RunNo: 89471								
Prep Date: 7/12/2022	Analysis Date: 7/14/2022	SeqNo: 3183428	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.7	72.3	137			
Surr: BFB	1800		1000		175	37.7	212			

Sample ID: mb-68713	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68713	RunNo: 89471								
Prep Date: 7/12/2022	Analysis Date: 7/14/2022	SeqNo: 3183430	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68713	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68713	RunNo: 89471								
Prep Date: 7/12/2022	Analysis Date: 7/14/2022	SeqNo: 3183430			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	830		1000		82.6	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68709	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68709		RunNo: 89443							
Prep Date: 7/12/2022	Analysis Date: 7/13/2022		SeqNo: 3182589		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	70	130			

Sample ID: LCS-68709	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68709		RunNo: 89443							
Prep Date: 7/12/2022	Analysis Date: 7/13/2022		SeqNo: 3182590		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	86.6	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: Ics-68702	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68702		RunNo: 89471							
Prep Date: 7/11/2022	Analysis Date: 7/13/2022		SeqNo: 3183871		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	80	120			
Toluene	0.88	0.050	1.000	0	88.1	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.3	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.6	70	130			

Sample ID: mb-68702	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68702		RunNo: 89471							
Prep Date: 7/11/2022	Analysis Date: 7/13/2022		SeqNo: 3183872		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207348

25-Jul-22

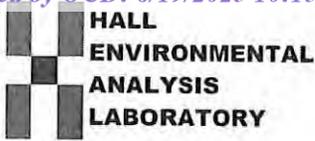
Client: EOG
Project: Roy SWD 3

Sample ID: ics-68713	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68713		RunNo: 89471							
Prep Date: 7/12/2022	Analysis Date: 7/14/2022		SeqNo: 3183895		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	87.8	80	120			
Toluene	0.92	0.050	1.000	0	91.7	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

Sample ID: mb-68713	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68713		RunNo: 89471							
Prep Date: 7/12/2022	Analysis Date: 7/14/2022		SeqNo: 3183896		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		84.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2207348

RcptNo: 1

Received By: Sean Livingston

7/9/2022 9:30:00 AM

[Signature]

Completed By: Sean Livingston

7/9/2022 10:24:34 AM

[Signature]

Reviewed By: CMC

7/11/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: [Signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 3 rows of data.

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

- Standard Level 4 (Full Validation)
- Accreditation: Az Compliance
- NELAC Other
- EDD (Type) Excel

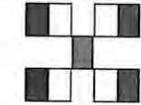
Turn-Around Time: 5 Day TAT
 Standard Rush
 Project Name: Ray Scud #3
 Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy
 On Ice: Yes No
 # of Coolers: 3
 Cooler Temp (including CF): 2.1° 3.6° 3.9°
 HEAL No. CF (-0.105)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7-8-22	1045	Soil	P-20	1x4oz jar	ECF	025
7-8-22	1047	Soil	P-21			024
7-8-22	1049	soil	P-22			027
	1054		PW-1			028
	1056		PW-2			029
	1057		PW-3			030
	1059		PW-4			031
	1101		PW-5			032
	1103		PW-6			033
	1104		PW-7			034
	1104		PW-8			035
	1105		PW-9			036

Received by: W. Kennedy Date: 7/8/22 Time: 1245
 Relinquished by: W. Kennedy
 Received by: sa coner Date: 7/9/22 Time: 9:30
 Relinquished by: W. Kennedy



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis	Request
BTEX (8021)	<input checked="" type="checkbox"/>
Chloride (EPA 300)	<input checked="" type="checkbox"/>
TPH:8015D(GRO / DRO / MRO)	<input type="checkbox"/>

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

July 20, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2207733

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 9 sample(s) on 7/15/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-10

Project: Roy SWD 3

Collection Date: 7/12/2022 8:00:00 AM

Lab ID: 2207733-001

Matrix: SOIL

Received Date: 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/18/2022 1:32:05 PM	68858
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/18/2022 9:35:35 PM	68824
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/18/2022 9:35:35 PM	68824
Surr: DNOP	76.4	51.1-141		%Rec	1	7/18/2022 9:35:35 PM	68824
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/18/2022 9:38:00 AM	68813
Surr: BFB	86.9	37.7-212		%Rec	1	7/18/2022 9:38:00 AM	68813
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	7/18/2022 9:38:00 AM	68813
Toluene	ND	0.049		mg/Kg	1	7/18/2022 9:38:00 AM	68813
Ethylbenzene	ND	0.049		mg/Kg	1	7/18/2022 9:38:00 AM	68813
Xylenes, Total	ND	0.099		mg/Kg	1	7/18/2022 9:38:00 AM	68813
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	7/18/2022 9:38:00 AM	68813

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2207733

Date Reported: 7/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-46

Project: Roy SWD 3

Collection Date: 7/12/2022 8:34:00 AM

Lab ID: 2207733-002

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/16/2022 3:34:40 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 5:32:06 PM	68806
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 5:32:06 PM	68806
Surr: DNOP	60.8	51.1-141		%Rec	1	7/15/2022 5:32:06 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/15/2022 8:06:36 PM	68789
Surr: BFB	101	37.7-212		%Rec	1	7/15/2022 8:06:36 PM	68789
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	7/15/2022 8:06:36 PM	68789
Toluene	ND	0.043		mg/Kg	1	7/15/2022 8:06:36 PM	68789
Ethylbenzene	ND	0.043		mg/Kg	1	7/15/2022 8:06:36 PM	68789
Xylenes, Total	ND	0.086		mg/Kg	1	7/15/2022 8:06:36 PM	68789
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/15/2022 8:06:36 PM	68789

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-47

Project: Roy SWD 3

Collection Date: 7/12/2022 8:37:00 AM

Lab ID: 2207733-003

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	940	61		mg/Kg	20	7/16/2022 3:47:00 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 5:46:23 PM	68806
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 5:46:23 PM	68806
Surr: DNOP	63.2	51.1-141		%Rec	1	7/15/2022 5:46:23 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	7/15/2022 9:17:52 PM	G89514
Surr: BFB	101	37.7-212		%Rec	1	7/15/2022 9:17:52 PM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	7/15/2022 9:17:52 PM	B89514
Toluene	ND	0.037		mg/Kg	1	7/15/2022 9:17:52 PM	B89514
Ethylbenzene	ND	0.037		mg/Kg	1	7/15/2022 9:17:52 PM	B89514
Xylenes, Total	ND	0.074		mg/Kg	1	7/15/2022 9:17:52 PM	B89514
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/15/2022 9:17:52 PM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-48

Project: Roy SWD 3

Collection Date: 7/12/2022 8:40:00 AM

Lab ID: 2207733-004

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	540	60		mg/Kg	20	7/16/2022 3:59:21 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	7/15/2022 6:00:38 PM	68806
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	7/15/2022 6:00:38 PM	68806
Surr: DNOP	60.6	51.1-141		%Rec	1	7/15/2022 6:00:38 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	7/15/2022 10:28:54 PM	G89514
Surr: BFB	99.5	37.7-212		%Rec	1	7/15/2022 10:28:54 PM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	7/15/2022 10:28:54 PM	B89514
Toluene	ND	0.035		mg/Kg	1	7/15/2022 10:28:54 PM	B89514
Ethylbenzene	ND	0.035		mg/Kg	1	7/15/2022 10:28:54 PM	B89514
Xylenes, Total	ND	0.071		mg/Kg	1	7/15/2022 10:28:54 PM	B89514
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	7/15/2022 10:28:54 PM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5B

Project: Roy SWD 3

Collection Date: 7/12/2022 8:44:00 AM

Lab ID: 2207733-005

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/16/2022 4:36:23 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 6:14:56 PM	68806
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 6:14:56 PM	68806
Surr: DNOP	59.8	51.1-141		%Rec	1	7/15/2022 6:14:56 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.5		mg/Kg	1	7/15/2022 11:39:50 PM	G89514
Surr: BFB	97.7	37.7-212		%Rec	1	7/15/2022 11:39:50 PM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.027		mg/Kg	1	7/15/2022 11:39:50 PM	B89514
Toluene	ND	0.055		mg/Kg	1	7/15/2022 11:39:50 PM	B89514
Ethylbenzene	ND	0.055		mg/Kg	1	7/15/2022 11:39:50 PM	B89514
Xylenes, Total	ND	0.11		mg/Kg	1	7/15/2022 11:39:50 PM	B89514
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/15/2022 11:39:50 PM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6B

Project: Roy SWD 3

Collection Date: 7/12/2022 8:47:00 AM

Lab ID: 2207733-006

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/16/2022 4:48:44 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 6:29:47 PM	68806
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/15/2022 6:29:47 PM	68806
Surr: DNOP	53.1	51.1-141		%Rec	1	7/15/2022 6:29:47 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	7/16/2022 12:03:30 AM	G89514
Surr: BFB	95.1	37.7-212		%Rec	1	7/16/2022 12:03:30 AM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	7/16/2022 12:03:30 AM	B89514
Toluene	ND	0.039		mg/Kg	1	7/16/2022 12:03:30 AM	B89514
Ethylbenzene	ND	0.039		mg/Kg	1	7/16/2022 12:03:30 AM	B89514
Xylenes, Total	ND	0.079		mg/Kg	1	7/16/2022 12:03:30 AM	B89514
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/16/2022 12:03:30 AM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2207733

Date Reported: 7/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6B.1

Project: Roy SWD 3

Collection Date: 7/12/2022 8:50:00 AM

Lab ID: 2207733-007

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	7/16/2022 5:01:05 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 6:44:10 PM	68806
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/15/2022 6:44:10 PM	68806
Surr: DNOP	58.7	51.1-141		%Rec	1	7/15/2022 6:44:10 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	7/16/2022 12:27:07 AM	G89514
Surr: BFB	98.3	37.7-212		%Rec	1	7/16/2022 12:27:07 AM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	7/16/2022 12:27:07 AM	B89514
Toluene	ND	0.036		mg/Kg	1	7/16/2022 12:27:07 AM	B89514
Ethylbenzene	ND	0.036		mg/Kg	1	7/16/2022 12:27:07 AM	B89514
Xylenes, Total	ND	0.073		mg/Kg	1	7/16/2022 12:27:07 AM	B89514
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/16/2022 12:27:07 AM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207733**

Date Reported: **7/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-1A

Project: Roy SWD 3

Collection Date: 7/12/2022 9:38:00 AM

Lab ID: 2207733-008

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	500	60		mg/Kg	20	7/16/2022 5:13:27 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	7/15/2022 6:58:30 PM	68806
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 6:58:30 PM	68806
Surr: DNOP	53.8	51.1-141		%Rec	1	7/15/2022 6:58:30 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	7/16/2022 12:50:42 AM	G89514
Surr: BFB	101	37.7-212		%Rec	1	7/16/2022 12:50:42 AM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	7/16/2022 12:50:42 AM	B89514
Toluene	ND	0.043		mg/Kg	1	7/16/2022 12:50:42 AM	B89514
Ethylbenzene	ND	0.043		mg/Kg	1	7/16/2022 12:50:42 AM	B89514
Xylenes, Total	ND	0.085		mg/Kg	1	7/16/2022 12:50:42 AM	B89514
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/16/2022 12:50:42 AM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2207733

Date Reported: 7/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-2A

Project: Roy SWD 3

Collection Date: 7/12/2022 9:40:00 AM

Lab ID: 2207733-009

Matrix: MEOH (SOIL) **Received Date:** 7/15/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	540	60		mg/Kg	20	7/16/2022 5:25:48 PM	68826
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	7/15/2022 7:12:56 PM	68806
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/15/2022 7:12:56 PM	68806
Surr: DNOP	57.0	51.1-141		%Rec	1	7/15/2022 7:12:56 PM	68806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/16/2022 1:14:15 AM	G89514
Surr: BFB	97.9	37.7-212		%Rec	1	7/16/2022 1:14:15 AM	G89514
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	7/16/2022 1:14:15 AM	B89514
Toluene	ND	0.046		mg/Kg	1	7/16/2022 1:14:15 AM	B89514
Ethylbenzene	ND	0.046		mg/Kg	1	7/16/2022 1:14:15 AM	B89514
Xylenes, Total	ND	0.091		mg/Kg	1	7/16/2022 1:14:15 AM	B89514
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/16/2022 1:14:15 AM	B89514

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68826	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68826	RunNo: 89565								
Prep Date: 7/16/2022	Analysis Date: 7/16/2022	SeqNo: 3188064	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68826	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68826	RunNo: 89565								
Prep Date: 7/16/2022	Analysis Date: 7/16/2022	SeqNo: 3188065	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: MB-68858	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 68858	RunNo: 89579								
Prep Date: 7/18/2022	Analysis Date: 7/18/2022	SeqNo: 3189299	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-68858	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 68858	RunNo: 89579								
Prep Date: 7/18/2022	Analysis Date: 7/18/2022	SeqNo: 3189300	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-68806	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68806	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3188305	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.2		10.00		82.2	51.1	141			

Sample ID: LCS-68806	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68806	RunNo: 89525								
Prep Date: 7/15/2022	Analysis Date: 7/15/2022	SeqNo: 3188306	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	15	50.00	0	79.9	64.4	127			
Surr: DNOP	3.8		5.000		76.5	51.1	141			

Sample ID: MB-68824	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68824	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3188608	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	5.8		10.00		57.8	51.1	141			

Sample ID: LCS-68824	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68824	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3188609	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.8	64.4	127			
Surr: DNOP	3.0		5.000		59.5	51.1	141			

Sample ID: MB-68825	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189637	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.3		10.00		72.6	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-68825	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 68825	RunNo: 89573								
Prep Date: 7/16/2022	Analysis Date: 7/18/2022	SeqNo: 3189638			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		73.3	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68789	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68789		RunNo: 89514							
Prep Date: 7/14/2022	Analysis Date: 7/15/2022		SeqNo: 3187143		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.8	37.7	212			

Sample ID: lcs-68789	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68789		RunNo: 89514							
Prep Date: 7/14/2022	Analysis Date: 7/15/2022		SeqNo: 3187144		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.3	72.3	137			
Surr: BFB	2000		1000		197	37.7	212			

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: G89514		RunNo: 89514							
Prep Date:	Analysis Date: 7/15/2022		SeqNo: 3187167		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: G89514		RunNo: 89514							
Prep Date:	Analysis Date: 7/15/2022		SeqNo: 3187168		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		201	37.7	212			

Sample ID: lcs-68813	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187638		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.9	72.3	137			
Surr: BFB	1900		1000		187	37.7	212			

Sample ID: mb-68813	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187639		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68813	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 68813	RunNo: 89553								
Prep Date: 7/15/2022	Analysis Date: 7/18/2022	SeqNo: 3187639			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.7	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-68789	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187219	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-68789	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 68789	RunNo: 89514								
Prep Date: 7/14/2022	Analysis Date: 7/15/2022	SeqNo: 3187220	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	104	80	120			
Ethylbenzene	1.1	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B89514	RunNo: 89514								
Prep Date:	Analysis Date: 7/15/2022	SeqNo: 3187242	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B89514	RunNo: 89514								
Prep Date:	Analysis Date: 7/15/2022	SeqNo: 3187243	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.1	0.050	1.000	0	106	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207733

20-Jul-22

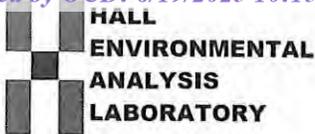
Client: EOG
Project: Roy SWD 3

Sample ID: ics-68813	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187642		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.7	80	120			
Toluene	0.90	0.050	1.000	0	90.3	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.6	70	130			

Sample ID: mb-68813	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 68813		RunNo: 89553							
Prep Date: 7/15/2022	Analysis Date: 7/18/2022		SeqNo: 3187643		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2207733

RcptNo: 1

Received By: Juan Rojas 7/15/2022 7:45:00 AM

Juan Rojas

Completed By: Sean Livingston 7/15/2022 8:27:44 AM

Sean Livingston

Reviewed By: *KPL 7.15.22*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *JR 7/15/22*

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____	Date: _____
By Whom: _____	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding: _____	
Client Instructions: _____	

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 09, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2207F09

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 8 sample(s) on 7/29/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 05, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-33A

Project: Roy SWD 3

Collection Date: 7/26/2022 2:09:00 PM

Lab ID: 2207F09-001

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	710	60		mg/Kg	20	8/2/2022 8:44:17 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/3/2022 1:52:30 AM	69190
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2022 1:52:30 AM	69190
Surr: DNOP	73.2	21-129		%Rec	1	8/3/2022 1:52:30 AM	69190
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/2/2022 1:04:50 AM	69167
Surr: BFB	99.5	37.7-212		%Rec	1	8/2/2022 1:04:50 AM	69167
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/2/2022 1:04:50 AM	69167
Toluene	ND	0.048		mg/Kg	1	8/2/2022 1:04:50 AM	69167
Ethylbenzene	ND	0.048		mg/Kg	1	8/2/2022 1:04:50 AM	69167
Xylenes, Total	ND	0.095		mg/Kg	1	8/2/2022 1:04:50 AM	69167
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	8/2/2022 1:04:50 AM	69167

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-35A

Project: Roy SWD 3

Collection Date: 7/26/2022 12:53:00 PM

Lab ID: 2207F09-002

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	560	60		mg/Kg	20	8/2/2022 8:56:37 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/3/2022 2:17:01 AM	69190
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/3/2022 2:17:01 AM	69190
Surr: DNOP	78.0	21-129		%Rec	1	8/3/2022 2:17:01 AM	69190
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/2/2022 1:28:21 AM	69167
Surr: BFB	92.9	37.7-212		%Rec	1	8/2/2022 1:28:21 AM	69167
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	8/2/2022 1:28:21 AM	69167
Toluene	ND	0.046		mg/Kg	1	8/2/2022 1:28:21 AM	69167
Ethylbenzene	ND	0.046		mg/Kg	1	8/2/2022 1:28:21 AM	69167
Xylenes, Total	ND	0.093		mg/Kg	1	8/2/2022 1:28:21 AM	69167
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	8/2/2022 1:28:21 AM	69167

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-37A

Project: Roy SWD 3

Collection Date: 7/26/2022 1:20:00 PM

Lab ID: 2207F09-003

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	110	60		mg/Kg	20	8/2/2022 9:58:23 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/3/2022 2:41:42 AM	69190
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	8/3/2022 2:41:42 AM	69190
Surr: DNOP	90.6	21-129		%Rec	1	8/3/2022 2:41:42 AM	69190
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/2/2022 1:51:54 AM	69167
Surr: BFB	95.8	37.7-212		%Rec	1	8/2/2022 1:51:54 AM	69167
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	8/2/2022 1:51:54 AM	69167
Toluene	ND	0.049		mg/Kg	1	8/2/2022 1:51:54 AM	69167
Ethylbenzene	ND	0.049		mg/Kg	1	8/2/2022 1:51:54 AM	69167
Xylenes, Total	ND	0.098		mg/Kg	1	8/2/2022 1:51:54 AM	69167
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	8/2/2022 1:51:54 AM	69167

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-28B

Project: Roy SWD 3

Collection Date: 7/26/2022 2:15:00 PM

Lab ID: 2207F09-004

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	190	60		mg/Kg	20	8/2/2022 10:10:45 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/3/2022 3:06:07 AM	69190
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/3/2022 3:06:07 AM	69190
Surr: DNOP	64.8	21-129		%Rec	1	8/3/2022 3:06:07 AM	69190
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/2/2022 2:15:26 AM	69167
Surr: BFB	96.0	37.7-212		%Rec	1	8/2/2022 2:15:26 AM	69167
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	8/2/2022 2:15:26 AM	69167
Toluene	ND	0.050		mg/Kg	1	8/2/2022 2:15:26 AM	69167
Ethylbenzene	ND	0.050		mg/Kg	1	8/2/2022 2:15:26 AM	69167
Xylenes, Total	ND	0.099		mg/Kg	1	8/2/2022 2:15:26 AM	69167
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	8/2/2022 2:15:26 AM	69167

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-18A

Project: Roy SWD 3

Collection Date: 7/26/2022 2:17:00 PM

Lab ID: 2207F09-005

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	130	61		mg/Kg	20	8/2/2022 10:23:06 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 1:51:23 PM	69180
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/2/2022 1:51:23 PM	69180
Surr: DNOP	61.6	21-129		%Rec	1	8/2/2022 1:51:23 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 10:20:00 AM	69171
Surr: BFB	94.8	37.7-212		%Rec	1	8/1/2022 10:20:00 AM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 10:20:00 AM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 10:20:00 AM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 10:20:00 AM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 10:20:00 AM	69171
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	8/1/2022 10:20:00 AM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-19A

Project: Roy SWD 3

Collection Date: 7/26/2022 2:28:00 PM

Lab ID: 2207F09-006

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	150	60		mg/Kg	20	8/2/2022 10:35:26 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 2:33:19 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 2:33:19 PM	69180
Surr: DNOP	65.5	21-129		%Rec	1	8/2/2022 2:33:19 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 11:20:00 AM	69171
Surr: BFB	97.8	37.7-212		%Rec	1	8/1/2022 11:20:00 AM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 11:20:00 AM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 11:20:00 AM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 11:20:00 AM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 11:20:00 AM	69171
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	8/1/2022 11:20:00 AM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-34A

Project: Roy SWD 3

Collection Date: 7/26/2022 3:07:00 PM

Lab ID: 2207F09-007

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	690	60		mg/Kg	20	8/2/2022 10:47:46 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 5:19:54 PM	69180
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/2/2022 5:19:54 PM	69180
Surr: DNOP	76.0	21-129		%Rec	1	8/2/2022 5:19:54 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 12:19:00 PM	69171
Surr: BFB	96.5	37.7-212		%Rec	1	8/1/2022 12:19:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 12:19:00 PM	69171
Toluene	ND	0.048		mg/Kg	1	8/1/2022 12:19:00 PM	69171
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 12:19:00 PM	69171
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2022 12:19:00 PM	69171
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	8/1/2022 12:19:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F09**

Date Reported: **8/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-47A

Project: Roy SWD 3

Collection Date: 7/26/2022 3:48:00 PM

Lab ID: 2207F09-008

Matrix: SOIL

Received Date: 7/29/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	600	60		mg/Kg	20	8/2/2022 11:00:07 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 5:33:41 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 5:33:41 PM	69180
Surr: DNOP	81.2	21-129		%Rec	1	8/2/2022 5:33:41 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 12:38:00 PM	69171
Surr: BFB	96.3	37.7-212		%Rec	1	8/1/2022 12:38:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 12:38:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 12:38:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 12:38:00 PM	69171
Xylenes, Total	ND	0.10		mg/Kg	1	8/1/2022 12:38:00 PM	69171
Surr: 4-Bromofluorobenzene	87.4	70-130		%Rec	1	8/1/2022 12:38:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F09

09-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69209	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69209	RunNo: 89954								
Prep Date: 8/2/2022	Analysis Date: 8/2/2022	SeqNo: 3206565	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69209	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69209	RunNo: 89954								
Prep Date: 8/2/2022	Analysis Date: 8/2/2022	SeqNo: 3206566	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.8	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F09

09-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69189	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69189		RunNo: 89947							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3205570				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		132	21	129			S

Sample ID: LCS-69189	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69189		RunNo: 89947							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3205571				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.9		5.000		117	21	129			

Sample ID: MB-69180	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69180		RunNo: 89947							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3205580				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	21	129			

Sample ID: LCS-69180	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69180		RunNo: 89947							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3205581				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	15	50.00	0	101	64.4	127			
Surr: DNOP	3.6		5.000		71.3	21	129			

Sample ID: LCS-69190	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69190		RunNo: 89958							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3206471				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.5	64.4	127			
Surr: DNOP	4.8		5.000		95.3	21	129			

Sample ID: MB-69190	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69190		RunNo: 89958							
Prep Date: 8/1/2022	Analysis Date: 8/2/2022		SeqNo: 3206472				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F09

09-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69190	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69190	RunNo: 89958								
Prep Date: 8/1/2022	Analysis Date: 8/2/2022	SeqNo: 3206472			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F09

09-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-69167	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 69167	RunNo: 89924								
Prep Date: 7/29/2022	Analysis Date: 8/1/2022	SeqNo: 3203746	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	37.7	212			

Sample ID: lcs-69167	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 69167	RunNo: 89924								
Prep Date: 7/29/2022	Analysis Date: 8/1/2022	SeqNo: 3203747	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: lcs-69171	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 69171	RunNo: 89940								
Prep Date: 7/31/2022	Analysis Date: 8/1/2022	SeqNo: 3204369	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: mb-69171	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 69171	RunNo: 89940								
Prep Date: 7/31/2022	Analysis Date: 8/1/2022	SeqNo: 3204370	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F09

09-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-69167	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 69167	RunNo: 89924								
Prep Date: 7/29/2022	Analysis Date: 8/1/2022	SeqNo: 3203780	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	70	130			

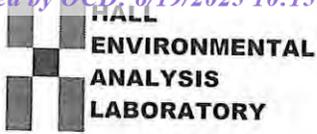
Sample ID: LCS-69167	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 69167	RunNo: 89924								
Prep Date: 7/29/2022	Analysis Date: 8/1/2022	SeqNo: 3203781	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Sample ID: lcs-69171	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 69171	RunNo: 89940								
Prep Date: 7/31/2022	Analysis Date: 8/1/2022	SeqNo: 3204422	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.5	80	120			
Toluene	0.92	0.050	1.000	0	92.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.3	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: mb-69171	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 69171	RunNo: 89940								
Prep Date: 7/31/2022	Analysis Date: 8/1/2022	SeqNo: 3204423	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2207F09

RcptNo: 1

Received By: Juan Rojas

7/28/2022 7:20:00 AM

[Signature]

Completed By: Cheyenne Cason

7/29/2022 8:14:45 AM

[Signature]

Reviewed By: CMC

7/29/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C? Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: jrc 7/29/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.5, Good, Not Present, [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 05, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2207F69

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 23 sample(s) on 7/30/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2207F69

Date Reported: 8/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-1

Project: Roy SWD 3

Collection Date: 7/28/2022 2:45:00 PM

Lab ID: 2207F69-001

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	420	60		mg/Kg	20	8/2/2022 11:12:28 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 5:47:35 PM	69180
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/2/2022 5:47:35 PM	69180
Surr: DNOP	50.9	21-129		%Rec	1	8/2/2022 5:47:35 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 12:58:00 PM	69171
Surr: BFB	93.7	37.7-212		%Rec	1	8/1/2022 12:58:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 12:58:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 12:58:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 12:58:00 PM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 12:58:00 PM	69171
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	8/1/2022 12:58:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-2

Project: Roy SWD 3

Collection Date: 7/28/2022 2:47:00 PM

Lab ID: 2207F69-002

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	620	59		mg/Kg	20	8/2/2022 11:24:50 PM	69209
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 6:01:33 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 6:01:33 PM	69180
Surr: DNOP	83.8	21-129		%Rec	1	8/2/2022 6:01:33 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 1:18:00 PM	69171
Surr: BFB	96.3	37.7-212		%Rec	1	8/1/2022 1:18:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 1:18:00 PM	69171
Toluene	ND	0.048		mg/Kg	1	8/1/2022 1:18:00 PM	69171
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 1:18:00 PM	69171
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2022 1:18:00 PM	69171
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	8/1/2022 1:18:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-3

Project: Roy SWD 3

Collection Date: 7/28/2022 2:49:00 PM

Lab ID: 2207F69-003

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	340	60		mg/Kg	20	8/3/2022 10:10:36 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 6:15:24 PM	69180
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/2/2022 6:15:24 PM	69180
Surr: DNOP	54.1	21-129		%Rec	1	8/2/2022 6:15:24 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 1:38:00 PM	69171
Surr: BFB	95.6	37.7-212		%Rec	1	8/1/2022 1:38:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 1:38:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 1:38:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 1:38:00 PM	69171
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2022 1:38:00 PM	69171
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	8/1/2022 1:38:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2207F69

Date Reported: 8/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-4

Project: Roy SWD 3

Collection Date: 7/28/2022 2:51:00 PM

Lab ID: 2207F69-004

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	350	60		mg/Kg	20	8/3/2022 10:22:56 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 6:29:21 PM	69180
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/2/2022 6:29:21 PM	69180
Surr: DNOP	53.4	21-129		%Rec	1	8/2/2022 6:29:21 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 1:58:00 PM	69171
Surr: BFB	95.5	37.7-212		%Rec	1	8/1/2022 1:58:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 1:58:00 PM	69171
Toluene	ND	0.048		mg/Kg	1	8/1/2022 1:58:00 PM	69171
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 1:58:00 PM	69171
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2022 1:58:00 PM	69171
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	8/1/2022 1:58:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-5

Project: Roy SWD 3

Collection Date: 7/28/2022 2:53:00 PM

Lab ID: 2207F69-005

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	600	60		mg/Kg	20	8/3/2022 10:35:17 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 6:43:15 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 6:43:15 PM	69180
Surr: DNOP	72.8	21-129		%Rec	1	8/2/2022 6:43:15 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 2:18:00 PM	69171
Surr: BFB	101	37.7-212		%Rec	1	8/1/2022 2:18:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 2:18:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 2:18:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 2:18:00 PM	69171
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2022 2:18:00 PM	69171
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	8/1/2022 2:18:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-6

Project: Roy SWD 3

Collection Date: 7/28/2022 2:55:00 PM

Lab ID: 2207F69-006

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	630	60		mg/Kg	20	8/3/2022 10:47:39 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 6:57:06 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 6:57:06 PM	69180
Surr: DNOP	65.0	21-129		%Rec	1	8/2/2022 6:57:06 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 2:38:00 PM	69171
Surr: BFB	98.0	37.7-212		%Rec	1	8/1/2022 2:38:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 2:38:00 PM	69171
Toluene	ND	0.048		mg/Kg	1	8/1/2022 2:38:00 PM	69171
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 2:38:00 PM	69171
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2022 2:38:00 PM	69171
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	8/1/2022 2:38:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-7

Project: Roy SWD 3

Collection Date: 7/28/2022 2:57:00 PM

Lab ID: 2207F69-007

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	350	60		mg/Kg	20	8/3/2022 11:00:00 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 7:11:01 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 7:11:01 PM	69180
Surr: DNOP	62.1	21-129		%Rec	1	8/2/2022 7:11:01 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 3:17:00 PM	69171
Surr: BFB	94.6	37.7-212		%Rec	1	8/1/2022 3:17:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 3:17:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 3:17:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 3:17:00 PM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 3:17:00 PM	69171
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	8/1/2022 3:17:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-8

Project: Roy SWD 3

Collection Date: 7/28/2022 2:59:00 PM

Lab ID: 2207F69-008

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	320	60		mg/Kg	20	8/3/2022 11:12:20 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 7:25:03 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 7:25:03 PM	69180
Surr: DNOP	59.2	21-129		%Rec	1	8/2/2022 7:25:03 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 3:37:00 PM	69171
Surr: BFB	96.6	37.7-212		%Rec	1	8/1/2022 3:37:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 3:37:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 3:37:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 3:37:00 PM	69171
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2022 3:37:00 PM	69171
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	8/1/2022 3:37:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-9

Project: Roy SWD 3

Collection Date: 7/28/2022 3:01:00 PM

Lab ID: 2207F69-009

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	370	60		mg/Kg	20	8/3/2022 11:24:40 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 7:39:05 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 7:39:05 PM	69180
Surr: DNOP	49.2	21-129		%Rec	1	8/2/2022 7:39:05 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 3:57:00 PM	69171
Surr: BFB	92.6	37.7-212		%Rec	1	8/1/2022 3:57:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 3:57:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 3:57:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 3:57:00 PM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 3:57:00 PM	69171
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/1/2022 3:57:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-10

Project: Roy SWD 3

Collection Date: 7/28/2022 3:03:00 PM

Lab ID: 2207F69-010

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	620	60		mg/Kg	20	8/3/2022 11:37:00 AM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 7:52:59 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 7:52:59 PM	69180
Surr: DNOP	54.2	21-129		%Rec	1	8/2/2022 7:52:59 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 4:17:00 PM	69171
Surr: BFB	95.1	37.7-212		%Rec	1	8/1/2022 4:17:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 4:17:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 4:17:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 4:17:00 PM	69171
Xylenes, Total	ND	0.10		mg/Kg	1	8/1/2022 4:17:00 PM	69171
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/1/2022 4:17:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-11

Project: Roy SWD 3

Collection Date: 7/28/2022 3:05:00 PM

Lab ID: 2207F69-011

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	520	60		mg/Kg	20	8/3/2022 12:14:03 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 8:06:54 PM	69180
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 8:06:54 PM	69180
Surr: DNOP	58.8	21-129		%Rec	1	8/2/2022 8:06:54 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 4:37:00 PM	69171
Surr: BFB	93.8	37.7-212		%Rec	1	8/1/2022 4:37:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 4:37:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 4:37:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 4:37:00 PM	69171
Xylenes, Total	ND	0.10		mg/Kg	1	8/1/2022 4:37:00 PM	69171
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	8/1/2022 4:37:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-12

Project: Roy SWD 3

Collection Date: 7/28/2022 3:07:00 PM

Lab ID: 2207F69-012

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	130	60		mg/Kg	20	8/3/2022 12:26:23 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 8:20:49 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 8:20:49 PM	69180
Surr: DNOP	42.0	21-129		%Rec	1	8/2/2022 8:20:49 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 4:57:00 PM	69171
Surr: BFB	97.0	37.7-212		%Rec	1	8/1/2022 4:57:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 4:57:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 4:57:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 4:57:00 PM	69171
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2022 4:57:00 PM	69171
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	8/1/2022 4:57:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-13

Project: Roy SWD 3

Collection Date: 7/28/2022 3:09:00 PM

Lab ID: 2207F69-013

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	300	60		mg/Kg	20	8/3/2022 12:38:44 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 8:34:47 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 8:34:47 PM	69180
Surr: DNOP	40.6	21-129		%Rec	1	8/2/2022 8:34:47 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 5:16:00 PM	69171
Surr: BFB	95.3	37.7-212		%Rec	1	8/1/2022 5:16:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 5:16:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 5:16:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 5:16:00 PM	69171
Xylenes, Total	ND	0.10		mg/Kg	1	8/1/2022 5:16:00 PM	69171
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	8/1/2022 5:16:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-14

Project: Roy SWD 3

Collection Date: 7/28/2022 3:10:00 PM

Lab ID: 2207F69-014

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	350	60		mg/Kg	20	8/3/2022 12:51:05 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 8:48:31 PM	69180
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/2/2022 8:48:31 PM	69180
Surr: DNOP	51.7	21-129		%Rec	1	8/2/2022 8:48:31 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 5:36:00 PM	69171
Surr: BFB	95.2	37.7-212		%Rec	1	8/1/2022 5:36:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 5:36:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 5:36:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 5:36:00 PM	69171
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2022 5:36:00 PM	69171
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	8/1/2022 5:36:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-15

Project: Roy SWD 3

Collection Date: 7/28/2022 3:12:00 PM

Lab ID: 2207F69-015

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	420	60		mg/Kg	20	8/3/2022 1:03:25 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 9:02:14 PM	69180
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/2/2022 9:02:14 PM	69180
Surr: DNOP	42.9	21-129		%Rec	1	8/2/2022 9:02:14 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 5:56:00 PM	69171
Surr: BFB	95.6	37.7-212		%Rec	1	8/1/2022 5:56:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 5:56:00 PM	69171
Toluene	ND	0.049		mg/Kg	1	8/1/2022 5:56:00 PM	69171
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 5:56:00 PM	69171
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2022 5:56:00 PM	69171
Surr: 4-Bromofluorobenzene	88.9	70-130		%Rec	1	8/1/2022 5:56:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-16

Project: Roy SWD 3

Collection Date: 7/28/2022 3:14:00 PM

Lab ID: 2207F69-016

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	8/3/2022 1:15:46 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/2/2022 9:15:56 PM	69180
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/2/2022 9:15:56 PM	69180
Surr: DNOP	50.6	21-129		%Rec	1	8/2/2022 9:15:56 PM	69180
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 6:16:00 PM	69171
Surr: BFB	94.2	37.7-212		%Rec	1	8/1/2022 6:16:00 PM	69171
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 6:16:00 PM	69171
Toluene	ND	0.050		mg/Kg	1	8/1/2022 6:16:00 PM	69171
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 6:16:00 PM	69171
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 6:16:00 PM	69171
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	8/1/2022 6:16:00 PM	69171

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-1

Project: Roy SWD 3

Collection Date: 7/28/2022 3:16:00 PM

Lab ID: 2207F69-017

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	8/2/2022 9:37:33 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/2/2022 9:29:47 PM	69181
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/2/2022 9:29:47 PM	69181
Surr: DNOP	38.9	21-129		%Rec	1	8/2/2022 9:29:47 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 8:14:00 PM	69172
Surr: BFB	91.0	37.7-212		%Rec	1	8/1/2022 8:14:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 8:14:00 PM	69172
Toluene	ND	0.048		mg/Kg	1	8/1/2022 8:14:00 PM	69172
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 8:14:00 PM	69172
Xylenes, Total	ND	0.096		mg/Kg	1	8/1/2022 8:14:00 PM	69172
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	8/1/2022 8:14:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2207F69

Date Reported: 8/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-2

Project: Roy SWD 3

Collection Date: 7/28/2022 3:18:00 PM

Lab ID: 2207F69-018

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	59		mg/Kg	20	8/2/2022 9:49:54 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/2/2022 10:24:30 PM	69181
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/2/2022 10:24:30 PM	69181
Surr: DNOP	67.7	21-129		%Rec	1	8/2/2022 10:24:30 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/1/2022 9:14:00 PM	69172
Surr: BFB	94.7	37.7-212		%Rec	1	8/1/2022 9:14:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 9:14:00 PM	69172
Toluene	ND	0.048		mg/Kg	1	8/1/2022 9:14:00 PM	69172
Ethylbenzene	ND	0.048		mg/Kg	1	8/1/2022 9:14:00 PM	69172
Xylenes, Total	ND	0.097		mg/Kg	1	8/1/2022 9:14:00 PM	69172
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	8/1/2022 9:14:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-3

Project: Roy SWD 3

Collection Date: 7/28/2022 3:20:00 PM

Lab ID: 2207F69-019

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	8/2/2022 10:02:15 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	15	14		mg/Kg	1	8/2/2022 10:38:22 PM	69181
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 10:38:22 PM	69181
Surr: DNOP	71.5	21-129		%Rec	1	8/2/2022 10:38:22 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 10:13:00 PM	69172
Surr: BFB	90.4	37.7-212		%Rec	1	8/1/2022 10:13:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	8/1/2022 10:13:00 PM	69172
Toluene	ND	0.049		mg/Kg	1	8/1/2022 10:13:00 PM	69172
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 10:13:00 PM	69172
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2022 10:13:00 PM	69172
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	8/1/2022 10:13:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-4

Project: Roy SWD 3

Collection Date: 7/28/2022 3:22:00 PM

Lab ID: 2207F69-020

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	650	60		mg/Kg	20	8/2/2022 10:14:36 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 10:52:20 PM	69181
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/2/2022 10:52:20 PM	69181
Surr: DNOP	71.6	21-129		%Rec	1	8/2/2022 10:52:20 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 10:33:00 PM	69172
Surr: BFB	92.0	37.7-212		%Rec	1	8/1/2022 10:33:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 10:33:00 PM	69172
Toluene	ND	0.050		mg/Kg	1	8/1/2022 10:33:00 PM	69172
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 10:33:00 PM	69172
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 10:33:00 PM	69172
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	8/1/2022 10:33:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-5

Project: Roy SWD 3

Collection Date: 7/28/2022 3:24:00 PM

Lab ID: 2207F69-021

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	100	60		mg/Kg	20	8/2/2022 10:26:56 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 11:06:13 PM	69181
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/2/2022 11:06:13 PM	69181
Surr: DNOP	44.2	21-129		%Rec	1	8/2/2022 11:06:13 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 10:52:00 PM	69172
Surr: BFB	86.4	37.7-212		%Rec	1	8/1/2022 10:52:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 10:52:00 PM	69172
Toluene	ND	0.050		mg/Kg	1	8/1/2022 10:52:00 PM	69172
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 10:52:00 PM	69172
Xylenes, Total	ND	0.099		mg/Kg	1	8/1/2022 10:52:00 PM	69172
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	8/1/2022 10:52:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-6

Project: Roy SWD 3

Collection Date: 7/28/2022 3:26:00 PM

Lab ID: 2207F69-022

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	160	60		mg/Kg	20	8/2/2022 10:39:16 AM	69186
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 11:20:10 PM	69181
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/2/2022 11:20:10 PM	69181
Surr: DNOP	40.4	21-129		%Rec	1	8/2/2022 11:20:10 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/1/2022 11:12:00 PM	69172
Surr: BFB	94.2	37.7-212		%Rec	1	8/1/2022 11:12:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 11:12:00 PM	69172
Toluene	ND	0.049		mg/Kg	1	8/1/2022 11:12:00 PM	69172
Ethylbenzene	ND	0.049		mg/Kg	1	8/1/2022 11:12:00 PM	69172
Xylenes, Total	ND	0.098		mg/Kg	1	8/1/2022 11:12:00 PM	69172
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	8/1/2022 11:12:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2207F69**

Date Reported: **8/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-7

Project: Roy SWD 3

Collection Date: 7/28/2022 3:28:00 PM

Lab ID: 2207F69-023

Matrix: SOIL

Received Date: 7/30/2022 9:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	100	60		mg/Kg	20	8/3/2022 1:28:06 PM	69226
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/2/2022 11:34:05 PM	69181
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/2/2022 11:34:05 PM	69181
Surr: DNOP	51.2	21-129		%Rec	1	8/2/2022 11:34:05 PM	69181
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/1/2022 11:32:00 PM	69172
Surr: BFB	93.7	37.7-212		%Rec	1	8/1/2022 11:32:00 PM	69172
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	8/1/2022 11:32:00 PM	69172
Toluene	ND	0.050		mg/Kg	1	8/1/2022 11:32:00 PM	69172
Ethylbenzene	ND	0.050		mg/Kg	1	8/1/2022 11:32:00 PM	69172
Xylenes, Total	ND	0.10		mg/Kg	1	8/1/2022 11:32:00 PM	69172
Surr: 4-Bromofluorobenzene	86.3	70-130		%Rec	1	8/1/2022 11:32:00 PM	69172

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F69

05-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69186	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69186	RunNo: 89935								
Prep Date: 8/1/2022	Analysis Date: 8/1/2022	SeqNo: 3204018	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69186	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69186	RunNo: 89935								
Prep Date: 8/1/2022	Analysis Date: 8/1/2022	SeqNo: 3204020	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.4	90	110			

Sample ID: MB-69209	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69209	RunNo: 89954								
Prep Date: 8/2/2022	Analysis Date: 8/2/2022	SeqNo: 3206565	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69209	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69209	RunNo: 89954								
Prep Date: 8/2/2022	Analysis Date: 8/2/2022	SeqNo: 3206566	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.8	90	110			

Sample ID: MB-69226	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69226	RunNo: 90012								
Prep Date: 8/3/2022	Analysis Date: 8/3/2022	SeqNo: 3207667	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69226	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69226	RunNo: 90012								
Prep Date: 8/3/2022	Analysis Date: 8/3/2022	SeqNo: 3207668	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F69

05-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69180	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69180	RunNo: 89947								
Prep Date: 8/1/2022	Analysis Date: 8/2/2022	SeqNo: 3205580	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	21	129			

Sample ID: LCS-69180	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69180	RunNo: 89947								
Prep Date: 8/1/2022	Analysis Date: 8/2/2022	SeqNo: 3205581	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	15	50.00	0	101	64.4	127			
Surr: DNOP	3.6		5.000		71.3	21	129			

Sample ID: MB-69181	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69181	RunNo: 89947								
Prep Date: 8/1/2022	Analysis Date: 8/2/2022	SeqNo: 3205582	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.1		10.00		71.2	21	129			

Sample ID: LCS-69181	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69181	RunNo: 89947								
Prep Date: 8/1/2022	Analysis Date: 8/2/2022	SeqNo: 3205583	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	100	64.4	127			
Surr: DNOP	3.7		5.000		74.5	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F69

05-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-69171	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 69171		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204369				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2100		1000		213	37.7	212			S

Sample ID: mb-69171	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 69171		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204370				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.3	37.7	212			

Sample ID: ics-69172	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 69172		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204393				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Sample ID: mb-69172	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 69172		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204394				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		92.5	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207F69

05-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-69171	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 69171		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204422		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.5	80	120			
Toluene	0.92	0.050	1.000	0	92.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.3	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

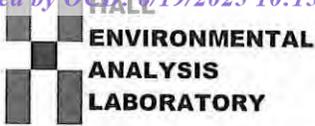
Sample ID: mb-69171	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 69171		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204423		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	70	130			

Sample ID: ics-69172	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 69172		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204447		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	86.8	80	120			
Toluene	0.89	0.050	1.000	0	89.0	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: mb-69172	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 69172		RunNo: 89940							
Prep Date: 7/31/2022	Analysis Date: 8/1/2022		SeqNo: 3204448		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: EOG

Work Order Number: 2207F69

RcptNo: 1

Received By: Tracy Casarrubias 7/30/2022 9:30:00 AM
Completed By: Tracy Casarrubias 7/30/2022 10:12:44 AM
Reviewed By: *[Signature]* 07/30/2022

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *TMC 7/30/22*

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good	Yes			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time: EOG 5 day TAT
 Standard Rush
 Project Name: Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 5.5 - 5.5°C

Container Type and # 1 x 4oz Jar

Preservative Type ICE

HEAL No. 2207F09

TPH:8015D(GRO / DRO / MRO) X

BTEX (8021) X

Chloride (EPA 300) X

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) Excel

Relinquished by: J. Martinez

Relinquished by: [Signature]

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time: EOG 5 day TAT
 Standard Rush
 Project Name: Roy SWD #3
 Project #: 5375

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Analysis Request

Project Manager: W. Kierdorf

Sampler:

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CP): 5.5 - 5.5 - 5.5

Container Type and # 1 x 402345

Preservative Type ICE

HEAL No. 2207FF69

Date	Time	Matrix	Sample Name
7-28-22	1509	Soil	S-13
	1510		S-14
	1512		S-15
	1514		S-16
	1516		SW-1
	1518		SW-2
	1520		SW-3
	1522		SW-4
	1524		SW-5
	1526		SW-6
	1528		SW-7

BTEX (8021) X

TPH:8015D(GRO / DRO / MRO) X

Chloride (EPA 300) X

Date: 7-29-22 Time: 1000

Relinquished by: J. Martinez

Date: 7/29/22 Time: 1410

Relinquished by: [Signature]

Received by: [Signature] Date: 7/29/22 Time: 1000

Via: car Date: 7/30/22 Time: 9:30

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 16, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2208482

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 31 sample(s) on 8/9/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Roy SWD 3

Collection Date: 8/5/2022 9:50:00 AM

Lab ID: 2208482-001

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	410	60		mg/Kg	20	8/9/2022 5:40:42 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/9/2022 11:51:53 PM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/9/2022 11:51:53 PM	69361
Surr: DNOP	73.6	21-129		%Rec	1	8/9/2022 11:51:53 PM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 8:47:00 AM	69353
Surr: BFB	87.4	37.7-212		%Rec	1	8/10/2022 8:47:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 8:47:00 AM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 8:47:00 AM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 8:47:00 AM	69353
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 8:47:00 AM	69353
Surr: 4-Bromofluorobenzene	80.0	70-130		%Rec	1	8/10/2022 8:47:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Roy SWD 3

Collection Date: 8/5/2022 9:52:00 AM

Lab ID: 2208482-002

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	470	59		mg/Kg	20	8/9/2022 6:17:55 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 12:16:35 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 12:16:35 AM	69361
Surr: DNOP	74.1	21-129		%Rec	1	8/10/2022 12:16:35 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 9:07:00 AM	69353
Surr: BFB	84.7	37.7-212		%Rec	1	8/10/2022 9:07:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 9:07:00 AM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 9:07:00 AM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 9:07:00 AM	69353
Xylenes, Total	ND	0.096		mg/Kg	1	8/10/2022 9:07:00 AM	69353
Surr: 4-Bromofluorobenzene	77.3	70-130		%Rec	1	8/10/2022 9:07:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Roy SWD 3

Collection Date: 8/5/2022 9:54:00 AM

Lab ID: 2208482-003

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	450	61		mg/Kg	20	8/9/2022 6:55:08 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 1:30:33 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 1:30:33 AM	69361
Surr: DNOP	66.2	21-129		%Rec	1	8/10/2022 1:30:33 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 9:27:00 AM	69353
Surr: BFB	90.5	37.7-212		%Rec	1	8/10/2022 9:27:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 9:27:00 AM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 9:27:00 AM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 9:27:00 AM	69353
Xylenes, Total	ND	0.095		mg/Kg	1	8/10/2022 9:27:00 AM	69353
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	8/10/2022 9:27:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Roy SWD 3

Collection Date: 8/5/2022 9:56:00 AM

Lab ID: 2208482-004

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	410	60		mg/Kg	20	8/9/2022 7:07:33 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 1:55:19 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 1:55:19 AM	69361
Surr: DNOP	61.5	21-129		%Rec	1	8/10/2022 1:55:19 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 10:05:00 AM	69353
Surr: BFB	85.6	37.7-212		%Rec	1	8/10/2022 10:05:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 10:05:00 AM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 10:05:00 AM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 10:05:00 AM	69353
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2022 10:05:00 AM	69353
Surr: 4-Bromofluorobenzene	80.3	70-130		%Rec	1	8/10/2022 10:05:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Roy SWD 3

Collection Date: 8/5/2022 9:58:00 AM

Lab ID: 2208482-005

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	450	59		mg/Kg	20	8/9/2022 7:44:46 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 2:20:02 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 2:20:02 AM	69361
Surr: DNOP	64.8	21-129		%Rec	1	8/10/2022 2:20:02 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 10:24:00 AM	69353
Surr: BFB	90.2	37.7-212		%Rec	1	8/10/2022 10:24:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 10:24:00 AM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 10:24:00 AM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 10:24:00 AM	69353
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2022 10:24:00 AM	69353
Surr: 4-Bromofluorobenzene	80.2	70-130		%Rec	1	8/10/2022 10:24:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Roy SWD 3

Collection Date: 8/5/2022 10:00:00 AM

Lab ID: 2208482-006

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	440	60		mg/Kg	20	8/9/2022 7:57:10 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 2:44:49 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 2:44:49 AM	69361
Surr: DNOP	57.5	21-129		%Rec	1	8/10/2022 2:44:49 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 10:44:00 AM	69353
Surr: BFB	90.8	37.7-212		%Rec	1	8/10/2022 10:44:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 10:44:00 AM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 10:44:00 AM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 10:44:00 AM	69353
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 10:44:00 AM	69353
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	8/10/2022 10:44:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Roy SWD 3

Collection Date: 8/5/2022 10:02:00 AM

Lab ID: 2208482-007

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	390	61		mg/Kg	20	8/9/2022 8:09:35 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 3:09:27 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 3:09:27 AM	69361
Surr: DNOP	51.7	21-129		%Rec	1	8/10/2022 3:09:27 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 11:03:00 AM	69353
Surr: BFB	89.3	37.7-212		%Rec	1	8/10/2022 11:03:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 11:03:00 AM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 11:03:00 AM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 11:03:00 AM	69353
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 11:03:00 AM	69353
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	8/10/2022 11:03:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Roy SWD 3

Collection Date: 8/5/2022 10:04:00 AM

Lab ID: 2208482-008

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	930	60		mg/Kg	20	8/9/2022 8:46:47 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 3:33:59 AM	69361
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/10/2022 3:33:59 AM	69361
Surr: DNOP	48.1	21-129		%Rec	1	8/10/2022 3:33:59 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 11:23:00 AM	69353
Surr: BFB	87.1	37.7-212		%Rec	1	8/10/2022 11:23:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 11:23:00 AM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 11:23:00 AM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 11:23:00 AM	69353
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 11:23:00 AM	69353
Surr: 4-Bromofluorobenzene	79.7	70-130		%Rec	1	8/10/2022 11:23:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Roy SWD 3

Collection Date: 8/5/2022 10:06:00 AM

Lab ID: 2208482-009

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	8/9/2022 8:59:12 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 3:58:31 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 3:58:31 AM	69361
Surr: DNOP	55.2	21-129		%Rec	1	8/10/2022 3:58:31 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 11:43:00 AM	69353
Surr: BFB	88.6	37.7-212		%Rec	1	8/10/2022 11:43:00 AM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 11:43:00 AM	69353
Toluene	ND	0.049		mg/Kg	1	8/10/2022 11:43:00 AM	69353
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 11:43:00 AM	69353
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 11:43:00 AM	69353
Surr: 4-Bromofluorobenzene	80.7	70-130		%Rec	1	8/10/2022 11:43:00 AM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Roy SWD 3

Collection Date: 8/5/2022 10:10:00 AM

Lab ID: 2208482-010

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	580	60		mg/Kg	20	8/9/2022 9:11:36 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 4:22:59 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 4:22:59 AM	69361
Surr: DNOP	47.8	21-129		%Rec	1	8/10/2022 4:22:59 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/10/2022 12:03:00 PM	69353
Surr: BFB	85.9	37.7-212		%Rec	1	8/10/2022 12:03:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	8/10/2022 12:03:00 PM	69353
Toluene	ND	0.046		mg/Kg	1	8/10/2022 12:03:00 PM	69353
Ethylbenzene	ND	0.046		mg/Kg	1	8/10/2022 12:03:00 PM	69353
Xylenes, Total	ND	0.093		mg/Kg	1	8/10/2022 12:03:00 PM	69353
Surr: 4-Bromofluorobenzene	79.2	70-130		%Rec	1	8/10/2022 12:03:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Roy SWD 3

Collection Date: 8/5/2022 10:12:00 AM

Lab ID: 2208482-011

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	990	60		mg/Kg	20	8/9/2022 9:24:00 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 4:47:20 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 4:47:20 AM	69361
Surr: DNOP	41.1	21-129		%Rec	1	8/10/2022 4:47:20 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 12:42:00 PM	69353
Surr: BFB	88.0	37.7-212		%Rec	1	8/10/2022 12:42:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 12:42:00 PM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 12:42:00 PM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 12:42:00 PM	69353
Xylenes, Total	ND	0.096		mg/Kg	1	8/10/2022 12:42:00 PM	69353
Surr: 4-Bromofluorobenzene	78.0	70-130		%Rec	1	8/10/2022 12:42:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Roy SWD 3

Collection Date: 8/5/2022 10:08:00 AM

Lab ID: 2208482-012

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	770	60		mg/Kg	20	8/9/2022 9:36:25 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 5:11:30 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 5:11:30 AM	69361
Surr: DNOP	45.1	21-129		%Rec	1	8/10/2022 5:11:30 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 1:02:00 PM	69353
Surr: BFB	86.7	37.7-212		%Rec	1	8/10/2022 1:02:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 1:02:00 PM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 1:02:00 PM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 1:02:00 PM	69353
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 1:02:00 PM	69353
Surr: 4-Bromofluorobenzene	77.9	70-130		%Rec	1	8/10/2022 1:02:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Roy SWD 3

Collection Date: 8/5/2022 12:18:00 PM

Lab ID: 2208482-013

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	360	60		mg/Kg	20	8/9/2022 9:48:49 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 5:35:31 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 5:35:31 AM	69361
Surr: DNOP	44.3	21-129		%Rec	1	8/10/2022 5:35:31 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 1:22:00 PM	69353
Surr: BFB	91.2	37.7-212		%Rec	1	8/10/2022 1:22:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 1:22:00 PM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 1:22:00 PM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 1:22:00 PM	69353
Xylenes, Total	ND	0.096		mg/Kg	1	8/10/2022 1:22:00 PM	69353
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	8/10/2022 1:22:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Roy SWD 3

Collection Date: 8/5/2022 10:14:00 AM

Lab ID: 2208482-014

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	560	60		mg/Kg	20	8/9/2022 10:01:13 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 5:59:39 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 5:59:39 AM	69361
Surr: DNOP	34.6	21-129		%Rec	1	8/10/2022 5:59:39 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	8/10/2022 1:41:00 PM	69353
Surr: BFB	85.4	37.7-212		%Rec	1	8/10/2022 1:41:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	8/10/2022 1:41:00 PM	69353
Toluene	ND	0.046		mg/Kg	1	8/10/2022 1:41:00 PM	69353
Ethylbenzene	ND	0.046		mg/Kg	1	8/10/2022 1:41:00 PM	69353
Xylenes, Total	ND	0.091		mg/Kg	1	8/10/2022 1:41:00 PM	69353
Surr: 4-Bromofluorobenzene	78.9	70-130		%Rec	1	8/10/2022 1:41:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Roy SWD 3

Collection Date: 8/5/2022 10:16:00 AM

Lab ID: 2208482-015

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	60		mg/Kg	20	8/9/2022 10:13:38 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 6:47:57 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 6:47:57 AM	69361
Surr: DNOP	36.8	21-129		%Rec	1	8/10/2022 6:47:57 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 2:01:00 PM	69353
Surr: BFB	84.4	37.7-212		%Rec	1	8/10/2022 2:01:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 2:01:00 PM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 2:01:00 PM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 2:01:00 PM	69353
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 2:01:00 PM	69353
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	8/10/2022 2:01:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Roy SWD 3

Collection Date: 8/5/2022 10:18:00 AM

Lab ID: 2208482-016

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	60		mg/Kg	20	8/9/2022 10:26:02 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 7:12:09 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 7:12:09 AM	69361
Surr: DNOP	43.2	21-129		%Rec	1	8/10/2022 7:12:09 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 2:20:00 PM	69353
Surr: BFB	81.4	37.7-212		%Rec	1	8/10/2022 2:20:00 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 2:20:00 PM	69353
Toluene	ND	0.049		mg/Kg	1	8/10/2022 2:20:00 PM	69353
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 2:20:00 PM	69353
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 2:20:00 PM	69353
Surr: 4-Bromofluorobenzene	75.6	70-130		%Rec	1	8/10/2022 2:20:00 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4

Project: Roy SWD 3

Collection Date: 8/5/2022 10:20:00 AM

Lab ID: 2208482-017

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	510	60		mg/Kg	20	8/9/2022 10:38:26 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 7:36:13 AM	69361
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 7:36:13 AM	69361
Surr: DNOP	47.5	21-129		%Rec	1	8/10/2022 7:36:13 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 2:17:55 PM	69353
Surr: BFB	111	37.7-212		%Rec	1	8/10/2022 2:17:55 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 2:17:55 PM	69353
Toluene	ND	0.049		mg/Kg	1	8/10/2022 2:17:55 PM	69353
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 2:17:55 PM	69353
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 2:17:55 PM	69353
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 2:17:55 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-5

Project: Roy SWD 3

Collection Date: 8/5/2022 10:22:00 AM

Lab ID: 2208482-018

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	900	60		mg/Kg	20	8/9/2022 11:15:39 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 8:00:17 AM	69361
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 8:00:17 AM	69361
Surr: DNOP	49.9	21-129		%Rec	1	8/10/2022 8:00:17 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 1:54:17 PM	69353
Surr: BFB	110	37.7-212		%Rec	1	8/10/2022 1:54:17 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 1:54:17 PM	69353
Toluene	ND	0.048		mg/Kg	1	8/10/2022 1:54:17 PM	69353
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 1:54:17 PM	69353
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2022 1:54:17 PM	69353
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	8/10/2022 1:54:17 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-6

Project: Roy SWD 3

Collection Date: 8/5/2022 10:24:00 AM

Lab ID: 2208482-019

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	59		mg/Kg	20	8/9/2022 11:28:04 PM	69376
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 8:24:25 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 8:24:25 AM	69361
Surr: DNOP	46.4	21-129		%Rec	1	8/10/2022 8:24:25 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 1:30:39 PM	69353
Surr: BFB	110	37.7-212		%Rec	1	8/10/2022 1:30:39 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 1:30:39 PM	69353
Toluene	ND	0.050		mg/Kg	1	8/10/2022 1:30:39 PM	69353
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 1:30:39 PM	69353
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 1:30:39 PM	69353
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	8/10/2022 1:30:39 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-7

Project: Roy SWD 3

Collection Date: 8/5/2022 10:26:00 AM

Lab ID: 2208482-020

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	360	61		mg/Kg	20	8/11/2022 5:23:43 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 8:48:36 AM	69361
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 8:48:36 AM	69361
Surr: DNOP	43.6	21-129		%Rec	1	8/10/2022 8:48:36 AM	69361
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 1:07:04 PM	69353
Surr: BFB	109	37.7-212		%Rec	1	8/10/2022 1:07:04 PM	69353
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 1:07:04 PM	69353
Toluene	ND	0.049		mg/Kg	1	8/10/2022 1:07:04 PM	69353
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 1:07:04 PM	69353
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 1:07:04 PM	69353
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 1:07:04 PM	69353

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-8

Project: Roy SWD 3

Collection Date: 8/5/2022 10:28:00 AM

Lab ID: 2208482-021

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	420	60		mg/Kg	20	8/11/2022 5:36:04 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 7:33:33 AM	69347
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/10/2022 7:33:33 AM	69347
Surr: DNOP	81.1	21-129		%Rec	1	8/10/2022 7:33:33 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 8:23:20 AM	69357
Surr: BFB	105	37.7-212		%Rec	1	8/10/2022 8:23:20 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 8:23:20 AM	69357
Toluene	ND	0.049		mg/Kg	1	8/10/2022 8:23:20 AM	69357
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 8:23:20 AM	69357
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 8:23:20 AM	69357
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	8/10/2022 8:23:20 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-45/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:40:00 PM

Lab ID: 2208482-022

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	600	60		mg/Kg	20	8/11/2022 5:48:24 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 7:48:14 AM	69347
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 7:48:14 AM	69347
Surr: DNOP	69.5	21-129		%Rec	1	8/10/2022 7:48:14 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 8:46:59 AM	69357
Surr: BFB	107	37.7-212		%Rec	1	8/10/2022 8:46:59 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 8:46:59 AM	69357
Toluene	ND	0.049		mg/Kg	1	8/10/2022 8:46:59 AM	69357
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 8:46:59 AM	69357
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 8:46:59 AM	69357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 8:46:59 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-42/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:44:00 PM

Lab ID: 2208482-023

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	8/11/2022 6:00:45 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 8:02:43 AM	69347
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 8:02:43 AM	69347
Surr: DNOP	68.9	21-129		%Rec	1	8/10/2022 8:02:43 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 9:10:38 AM	69357
Surr: BFB	105	37.7-212		%Rec	1	8/10/2022 9:10:38 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 9:10:38 AM	69357
Toluene	ND	0.048		mg/Kg	1	8/10/2022 9:10:38 AM	69357
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 9:10:38 AM	69357
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2022 9:10:38 AM	69357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 9:10:38 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-44/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:42:00 PM

Lab ID: 2208482-024

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	220	60		mg/Kg	20	8/11/2022 6:13:07 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 8:17:38 AM	69347
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	8/10/2022 8:17:38 AM	69347
Surr: DNOP	74.5	21-129		%Rec	1	8/10/2022 8:17:38 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 9:34:13 AM	69357
Surr: BFB	105	37.7-212		%Rec	1	8/10/2022 9:34:13 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 9:34:13 AM	69357
Toluene	ND	0.048		mg/Kg	1	8/10/2022 9:34:13 AM	69357
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 9:34:13 AM	69357
Xylenes, Total	ND	0.097		mg/Kg	1	8/10/2022 9:34:13 AM	69357
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/10/2022 9:34:13 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-10/A

Project: Roy SWD 3

Collection Date: 8/5/2022 3:20:00 PM

Lab ID: 2208482-025

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/11/2022 6:25:27 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 8:32:15 AM	69347
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/10/2022 8:32:15 AM	69347
Surr: DNOP	67.5	21-129		%Rec	1	8/10/2022 8:32:15 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 9:57:49 AM	69357
Surr: BFB	106	37.7-212		%Rec	1	8/10/2022 9:57:49 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 9:57:49 AM	69357
Toluene	ND	0.049		mg/Kg	1	8/10/2022 9:57:49 AM	69357
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 9:57:49 AM	69357
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 9:57:49 AM	69357
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/10/2022 9:57:49 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-9/A

Project: Roy SWD 3

Collection Date: 8/5/2022 3:22:00 PM

Lab ID: 2208482-026

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	170	60		mg/Kg	20	8/11/2022 6:37:48 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 8:47:08 AM	69347
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 8:47:08 AM	69347
Surr: DNOP	64.5	21-129		%Rec	1	8/10/2022 8:47:08 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 10:21:29 AM	69357
Surr: BFB	107	37.7-212		%Rec	1	8/10/2022 10:21:29 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 10:21:29 AM	69357
Toluene	ND	0.049		mg/Kg	1	8/10/2022 10:21:29 AM	69357
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 10:21:29 AM	69357
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 10:21:29 AM	69357
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/10/2022 10:21:29 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-7/A

Project: Roy SWD 3

Collection Date: 8/5/2022 12:08:00 PM

Lab ID: 2208482-027

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	660	60		mg/Kg	20	8/11/2022 6:50:08 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 9:01:53 AM	69347
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/10/2022 9:01:53 AM	69347
Surr: DNOP	64.7	21-129		%Rec	1	8/10/2022 9:01:53 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 10:45:10 AM	69357
Surr: BFB	106	37.7-212		%Rec	1	8/10/2022 10:45:10 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 10:45:10 AM	69357
Toluene	ND	0.050		mg/Kg	1	8/10/2022 10:45:10 AM	69357
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 10:45:10 AM	69357
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 10:45:10 AM	69357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/10/2022 10:45:10 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P-11/A

Project: Roy SWD 3

Collection Date: 8/5/2022 3:24:00 PM

Lab ID: 2208482-028

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	180	60		mg/Kg	20	8/11/2022 7:02:29 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 9:16:40 AM	69347
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/10/2022 9:16:40 AM	69347
Surr: DNOP	65.3	21-129		%Rec	1	8/10/2022 9:16:40 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	8/10/2022 11:08:50 AM	69357
Surr: BFB	105	37.7-212		%Rec	1	8/10/2022 11:08:50 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/10/2022 11:08:50 AM	69357
Toluene	ND	0.048		mg/Kg	1	8/10/2022 11:08:50 AM	69357
Ethylbenzene	ND	0.048		mg/Kg	1	8/10/2022 11:08:50 AM	69357
Xylenes, Total	ND	0.096		mg/Kg	1	8/10/2022 11:08:50 AM	69357
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/10/2022 11:08:50 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-4/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:30:00 PM

Lab ID: 2208482-029

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/11/2022 7:14:50 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 9:54:38 AM	69347
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 9:54:38 AM	69347
Surr: DNOP	71.8	21-129		%Rec	1	8/10/2022 9:54:38 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 11:32:32 AM	69357
Surr: BFB	107	37.7-212		%Rec	1	8/10/2022 11:32:32 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 11:32:32 AM	69357
Toluene	ND	0.050		mg/Kg	1	8/10/2022 11:32:32 AM	69357
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 11:32:32 AM	69357
Xylenes, Total	ND	0.099		mg/Kg	1	8/10/2022 11:32:32 AM	69357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 11:32:32 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PW-2/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:33:00 PM

Lab ID: 2208482-030

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/11/2022 7:51:51 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 10:09:01 AM	69347
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 10:09:01 AM	69347
Surr: DNOP	72.0	21-129		%Rec	1	8/10/2022 10:09:01 AM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	8/10/2022 11:56:11 AM	69357
Surr: BFB	108	37.7-212		%Rec	1	8/10/2022 11:56:11 AM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 11:56:11 AM	69357
Toluene	ND	0.049		mg/Kg	1	8/10/2022 11:56:11 AM	69357
Ethylbenzene	ND	0.049		mg/Kg	1	8/10/2022 11:56:11 AM	69357
Xylenes, Total	ND	0.098		mg/Kg	1	8/10/2022 11:56:11 AM	69357
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	8/10/2022 11:56:11 AM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208482**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-14/A

Project: Roy SWD 3

Collection Date: 8/5/2022 2:46:00 PM

Lab ID: 2208482-031

Matrix: SOIL

Received Date: 8/9/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	230	60		mg/Kg	20	8/11/2022 8:04:12 PM	69384
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/10/2022 1:17:38 PM	69347
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/10/2022 1:17:38 PM	69347
Surr: DNOP	91.7	21-129		%Rec	1	8/10/2022 1:17:38 PM	69347
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	8/10/2022 12:43:29 PM	69357
Surr: BFB	108	37.7-212		%Rec	1	8/10/2022 12:43:29 PM	69357
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	8/10/2022 12:43:29 PM	69357
Toluene	ND	0.050		mg/Kg	1	8/10/2022 12:43:29 PM	69357
Ethylbenzene	ND	0.050		mg/Kg	1	8/10/2022 12:43:29 PM	69357
Xylenes, Total	ND	0.10		mg/Kg	1	8/10/2022 12:43:29 PM	69357
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	8/10/2022 12:43:29 PM	69357

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208482

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69376	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69376	RunNo: 90140								
Prep Date: 8/9/2022	Analysis Date: 8/9/2022	SeqNo: 3213910	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69376	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69376	RunNo: 90140								
Prep Date: 8/9/2022	Analysis Date: 8/9/2022	SeqNo: 3213911	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Sample ID: MB-69384	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69384	RunNo: 90187								
Prep Date: 8/10/2022	Analysis Date: 8/11/2022	SeqNo: 3217870	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69384	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69384	RunNo: 90187								
Prep Date: 8/10/2022	Analysis Date: 8/11/2022	SeqNo: 3217871	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208482

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69340	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69340		RunNo: 90104							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3212922				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.6		5.000		91.3	21	129			

Sample ID: LCS-69347	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69347		RunNo: 90104							
Prep Date: 8/9/2022	Analysis Date: 8/9/2022		SeqNo: 3212923				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	90.5	64.4	127			
Surr: DNOP	4.5		5.000		89.6	21	129			

Sample ID: MB-69340	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69340		RunNo: 90104							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3212924				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.4	21	129			

Sample ID: MB-69347	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69347		RunNo: 90104							
Prep Date: 8/9/2022	Analysis Date: 8/9/2022		SeqNo: 3212925				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.8	21	129			

Sample ID: MB-69361	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69361		RunNo: 90104							
Prep Date: 8/9/2022	Analysis Date: 8/9/2022		SeqNo: 3213960				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.5		10.00		75.1	21	129			

Sample ID: LCS-69361	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69361		RunNo: 90104							
Prep Date: 8/9/2022	Analysis Date: 8/9/2022		SeqNo: 3213961				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208482

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69361	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69361		RunNo: 90104							
Prep Date: 8/9/2022	Analysis Date: 8/9/2022		SeqNo: 3213961	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	15	50.00	0	81.8	64.4	127			
Surr: DNOP	3.1		5.000		62.0	21	129			

Sample ID: MB-69329	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69329		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3214211	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.7		10.00		66.6	21	129			

Sample ID: LCS-69329	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69329		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3214212	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	2.7		5.000		54.0	21	129			

Sample ID: MB-69330	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69330		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/10/2022		SeqNo: 3214248	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.9		10.00		79.0	21	129			

Sample ID: LCS-69330	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69330		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/10/2022		SeqNo: 3214249	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.3	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208482

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-69357	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 69357		RunNo: 90135							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214169		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

Sample ID: mb-69357	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 69357		RunNo: 90135							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214170		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	37.7	212			

Sample ID: ics-69353	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 69353		RunNo: 90150							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214378		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

Sample ID: mb-69353	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 69353		RunNo: 90150							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214379		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.1	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208482

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69357	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 69357		RunNo: 90135							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214183		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

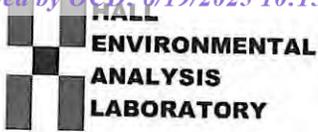
Sample ID: mb-69357	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 69357		RunNo: 90135							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214184		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: lcs-69353	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 69353		RunNo: 90150							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214396		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.0	80	120			
Toluene	0.83	0.050	1.000	0	82.6	80	120			
Ethylbenzene	0.83	0.050	1.000	0	82.5	80	120			
Xylenes, Total	2.4	0.10	3.000	0	81.7	80	120			
Surr: 4-Bromofluorobenzene	0.81		1.000		80.7	70	130			

Sample ID: mb-69353	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 69353		RunNo: 90150							
Prep Date: 8/9/2022	Analysis Date: 8/10/2022		SeqNo: 3214397		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.78		1.000		77.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2208482

RcptNo: 1

Received By: Juan Rojas

8/9/2022 7:15:00 AM

Juan Rojas

Completed By: Juan Rojas

8/9/2022 7:51:22 AM

Juan Rojas

Reviewed By: *KJA* 8.09.22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *JR 8/9/22*

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 16, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2208576

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/10/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2208576**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-33/B

Project: Roy SWD 3

Collection Date: 8/8/2022 4:00:00 PM

Lab ID: 2208576-001

Matrix: SOIL

Received Date: 8/10/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	170	60		mg/Kg	20	8/10/2022 5:33:20 PM	69385
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	8/10/2022 1:08:48 PM	A90145
Surr: BFB	111	70-130		%Rec	1	8/10/2022 1:08:48 PM	A90145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 12:36:36 PM	69383
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/10/2022 12:36:36 PM	69383
Surr: DNOP	92.3	21-129		%Rec	1	8/10/2022 12:36:36 PM	69383
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: BRM
Benzene	ND	0.016		mg/Kg	1	8/10/2022 1:08:48 PM	B90145
Toluene	ND	0.031		mg/Kg	1	8/10/2022 1:08:48 PM	B90145
Ethylbenzene	ND	0.031		mg/Kg	1	8/10/2022 1:08:48 PM	B90145
Xylenes, Total	ND	0.062		mg/Kg	1	8/10/2022 1:08:48 PM	B90145
Surr: 1,2-Dichloroethane-d4	92.3	70-130		%Rec	1	8/10/2022 1:08:48 PM	B90145
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	8/10/2022 1:08:48 PM	B90145
Surr: Dibromofluoromethane	96.9	70-130		%Rec	1	8/10/2022 1:08:48 PM	B90145
Surr: Toluene-d8	104	70-130		%Rec	1	8/10/2022 1:08:48 PM	B90145

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208576**

Date Reported: **8/16/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-34/B

Project: Roy SWD 3

Collection Date: 8/8/2022 4:10:00 PM

Lab ID: 2208576-002

Matrix: SOIL

Received Date: 8/10/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	310	60		mg/Kg	20	8/10/2022 6:10:22 PM	69385
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	8/10/2022 1:35:50 PM	A90145
Surr: BFB	102	70-130		%Rec	1	8/10/2022 1:35:50 PM	A90145
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/10/2022 12:50:15 PM	69383
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/10/2022 12:50:15 PM	69383
Surr: DNOP	83.2	21-129		%Rec	1	8/10/2022 12:50:15 PM	69383
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: BRM
Benzene	ND	0.015		mg/Kg	1	8/10/2022 1:35:50 PM	B90145
Toluene	ND	0.030		mg/Kg	1	8/10/2022 1:35:50 PM	B90145
Ethylbenzene	ND	0.030		mg/Kg	1	8/10/2022 1:35:50 PM	B90145
Xylenes, Total	ND	0.060		mg/Kg	1	8/10/2022 1:35:50 PM	B90145
Surr: 1,2-Dichloroethane-d4	98.7	70-130		%Rec	1	8/10/2022 1:35:50 PM	B90145
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	8/10/2022 1:35:50 PM	B90145
Surr: Dibromofluoromethane	97.9	70-130		%Rec	1	8/10/2022 1:35:50 PM	B90145
Surr: Toluene-d8	101	70-130		%Rec	1	8/10/2022 1:35:50 PM	B90145

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208576

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69385	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69385	RunNo: 90148								
Prep Date: 8/10/2022	Analysis Date: 8/10/2022	SeqNo: 3215869	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69385	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69385	RunNo: 90148								
Prep Date: 8/10/2022	Analysis Date: 8/10/2022	SeqNo: 3215870	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208576

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69329	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69329		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3214211	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.7		10.00		66.6	21	129			

Sample ID: LCS-69329	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69329		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/9/2022		SeqNo: 3214212	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	2.7		5.000		54.0	21	129			

Sample ID: MB-69330	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69330		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/10/2022		SeqNo: 3214248	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.9		10.00		79.0	21	129			

Sample ID: LCS-69330	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69330		RunNo: 90146							
Prep Date: 8/8/2022	Analysis Date: 8/10/2022		SeqNo: 3214249	Units: %Rec						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		74.3	21	129			

Sample ID: LCS-69383	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69383		RunNo: 90146							
Prep Date: 8/10/2022	Analysis Date: 8/10/2022		SeqNo: 3214282	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	15	50.00	0	103	64.4	127			
Surr: DNOP	5.4		5.000		108	21	129			

Sample ID: MB-69383	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69383		RunNo: 90146							
Prep Date: 8/10/2022	Analysis Date: 8/10/2022		SeqNo: 3214518	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208576

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: 100ng lcs	SampType: LCS	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: LCSS	Batch ID: B90145	RunNo: 90145								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3214146	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.9	70	130			
Toluene	0.93	0.050	1.000	0	93.5	70	130			
Surr: 1,2-Dichloroethane-d4	0.45		0.5000		90.6	70	130			
Surr: 4-Bromofluorobenzene	0.55		0.5000		110	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.8	70	130			
Surr: Toluene-d8	0.47		0.5000		94.5	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: B90145	RunNo: 90145								
Prep Date:	Analysis Date: 8/10/2022	SeqNo: 3214151	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.53		0.5000		107	70	130			
Surr: 4-Bromofluorobenzene	0.56		0.5000		111	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.50		0.5000		99.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208576

16-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: A90145		RunNo: 90145							
Prep Date:	Analysis Date: 8/10/2022		SeqNo: 3214145		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	510		500.0		102	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: LCSS	Batch ID: A90145		RunNo: 90145							
Prep Date:	Analysis Date: 8/10/2022		SeqNo: 3214152		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.8	70	130			
Surr: BFB	510		500.0		102	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2208576 RcptNo: 1

Received By: Juan Rojas 8/10/2022 7:05:00 AM
Completed By: Juan Rojas 8/10/2022 7:31:02 AM
Reviewed By: KRH 8.10.22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: JN 8/10/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: _____ Date: _____
By Whom: _____ Via: [] eMail [] Phone [] Fax [] In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.9, Good, [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 30, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2208988

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/17/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued August 26, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2208988**

Date Reported: **8/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-6/A

Project: Roy SWD 3

Collection Date: 8/16/2022 8:45:00 AM

Lab ID: 2208988-001

Matrix: SOIL

Received Date: 8/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	490	60		mg/Kg	20	8/17/2022 9:22:31 PM	69587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/22/2022 2:57:58 PM	69549
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/22/2022 2:57:58 PM	69549
Surr: DNOP	93.9	21-129		%Rec	1	8/22/2022 2:57:58 PM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/17/2022 2:47:00 PM	A90339
Surr: BFB	102	37.7-212		%Rec	1	8/17/2022 2:47:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.019		mg/Kg	1	8/17/2022 2:47:00 PM	B90339
Toluene	ND	0.038		mg/Kg	1	8/17/2022 2:47:00 PM	B90339
Ethylbenzene	ND	0.038		mg/Kg	1	8/17/2022 2:47:00 PM	B90339
Xylenes, Total	ND	0.077		mg/Kg	1	8/17/2022 2:47:00 PM	B90339
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	8/17/2022 2:47:00 PM	B90339

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208988**

Date Reported: **8/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-10/A

Project: Roy SWD 3

Collection Date: 8/16/2022 9:15:00 AM

Lab ID: 2208988-002

Matrix: SOIL

Received Date: 8/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	480	60		mg/Kg	20	8/17/2022 9:34:52 PM	69587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/22/2022 2:16:02 PM	69549
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/22/2022 2:16:02 PM	69549
Surr: DNOP	111	21-129		%Rec	1	8/22/2022 2:16:02 PM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/17/2022 3:07:00 PM	A90339
Surr: BFB	99.9	37.7-212		%Rec	1	8/17/2022 3:07:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	8/17/2022 3:07:00 PM	B90339
Toluene	ND	0.048		mg/Kg	1	8/17/2022 3:07:00 PM	B90339
Ethylbenzene	ND	0.048		mg/Kg	1	8/17/2022 3:07:00 PM	B90339
Xylenes, Total	ND	0.096		mg/Kg	1	8/17/2022 3:07:00 PM	B90339
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	8/17/2022 3:07:00 PM	B90339

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208988**

Date Reported: **8/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-5/A

Project: Roy SWD 3

Collection Date: 8/16/2022 10:45:00 AM

Lab ID: 2208988-003

Matrix: SOIL

Received Date: 8/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	460	60		mg/Kg	20	8/17/2022 9:47:14 PM	69587
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/22/2022 2:39:43 PM	69549
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/22/2022 2:39:43 PM	69549
Surr: DNOP	110	21-129		%Rec	1	8/22/2022 2:39:43 PM	69549
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	8/17/2022 3:26:00 PM	A90339
Surr: BFB	102	37.7-212		%Rec	1	8/17/2022 3:26:00 PM	A90339
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.019		mg/Kg	1	8/17/2022 3:26:00 PM	B90339
Toluene	ND	0.037		mg/Kg	1	8/17/2022 3:26:00 PM	B90339
Ethylbenzene	ND	0.037		mg/Kg	1	8/17/2022 3:26:00 PM	B90339
Xylenes, Total	ND	0.074		mg/Kg	1	8/17/2022 3:26:00 PM	B90339
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/17/2022 3:26:00 PM	B90339

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208988

30-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69587	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69587	RunNo: 90338								
Prep Date: 8/17/2022	Analysis Date: 8/17/2022	SeqNo: 3223921	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69587	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69587	RunNo: 90338								
Prep Date: 8/17/2022	Analysis Date: 8/17/2022	SeqNo: 3223922	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208988

30-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69549	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69549	RunNo: 90349								
Prep Date: 8/17/2022	Analysis Date: 8/17/2022	SeqNo: 3223174	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.9		10.00		78.7	21	129			

Sample ID: LCS-69549	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69549	RunNo: 90349								
Prep Date: 8/17/2022	Analysis Date: 8/17/2022	SeqNo: 3223175	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	95.9	64.4	127			
Surr: DNOP	3.9		5.000		78.6	21	129			

Sample ID: MB-69630	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69630	RunNo: 90468								
Prep Date: 8/19/2022	Analysis Date: 8/22/2022	SeqNo: 3231105	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8		10.00		77.8	21	129			

Sample ID: LCS-69630	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69630	RunNo: 90468								
Prep Date: 8/19/2022	Analysis Date: 8/22/2022	SeqNo: 3231106	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.1		5.000		81.2	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208988

30-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A90339		RunNo: 90339							
Prep Date:	Analysis Date: 8/17/2022		SeqNo: 3223655		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	72.3	137			
Surr: BFB	2100		1000		212	37.7	212			S

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A90339		RunNo: 90339							
Prep Date:	Analysis Date: 8/17/2022		SeqNo: 3223656		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.1	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208988

30-Aug-22

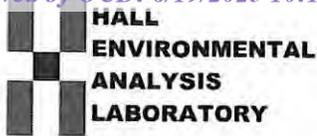
Client: EOG
Project: Roy SWD 3

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B90339	RunNo: 90339								
Prep Date:	Analysis Date: 8/17/2022	SeqNo: 3223685	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.8	80	120			
Toluene	0.88	0.050	1.000	0	87.6	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.5	80	120			
Xylenes, Total	2.6	0.10	3.000	0	88.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B90339	RunNo: 90339								
Prep Date:	Analysis Date: 8/17/2022	SeqNo: 3223686	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2208988

RcptNo: 1

Received By: Juan Rojas

8/17/2022 7:10:00 AM

Juan Rojas

Completed By: Juan Rojas

8/17/2022 7:36:17 AM

Juan Rojas

Reviewed By:

JO

8/17/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (<2 or >12 unless noted)
 Adjusted? _____
 Checked by: *[Signature]* 8-17-22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 23, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2208B91

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/19/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2208B91**

Date Reported: **8/23/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-6A

Project: Roy SWD 3

Collection Date: 8/16/2022 2:10:00 PM

Lab ID: 2208B91-001

Matrix: SOIL

Received Date: 8/19/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	580	60		mg/Kg	20	8/19/2022 9:06:08 PM	69643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/19/2022 11:04:27 AM	69628
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/19/2022 11:04:27 AM	69628
Surr: DNOP	81.3	21-129		%Rec	1	8/19/2022 11:04:27 AM	69628
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	8/19/2022 2:59:06 PM	B90417
Surr: BFB	106	37.7-212		%Rec	1	8/19/2022 2:59:06 PM	B90417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	8/19/2022 2:59:06 PM	D90417
Toluene	ND	0.036		mg/Kg	1	8/19/2022 2:59:06 PM	D90417
Ethylbenzene	ND	0.036		mg/Kg	1	8/19/2022 2:59:06 PM	D90417
Xylenes, Total	ND	0.072		mg/Kg	1	8/19/2022 2:59:06 PM	D90417
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	8/19/2022 2:59:06 PM	D90417

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208B91**

Date Reported: **8/23/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-4A

Project: Roy SWD 3

Collection Date: 8/16/2022 3:50:00 PM

Lab ID: 2208B91-002

Matrix: SOIL

Received Date: 8/19/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	510	60		mg/Kg	20	8/19/2022 9:18:33 PM	69643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/19/2022 11:18:34 AM	69628
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/19/2022 11:18:34 AM	69628
Surr: DNOP	78.4	21-129		%Rec	1	8/19/2022 11:18:34 AM	69628
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	8/19/2022 3:22:45 PM	B90417
Surr: BFB	107	37.7-212		%Rec	1	8/19/2022 3:22:45 PM	B90417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	8/19/2022 3:22:45 PM	D90417
Toluene	ND	0.037		mg/Kg	1	8/19/2022 3:22:45 PM	D90417
Ethylbenzene	ND	0.037		mg/Kg	1	8/19/2022 3:22:45 PM	D90417
Xylenes, Total	ND	0.074		mg/Kg	1	8/19/2022 3:22:45 PM	D90417
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	8/19/2022 3:22:45 PM	D90417

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208B91**

Date Reported: **8/23/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: S-2A

Project: Roy SWD 3

Collection Date: 8/16/2022 3:45:00 PM

Lab ID: 2208B91-003

Matrix: SOIL

Received Date: 8/19/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	60		mg/Kg	20	8/19/2022 9:30:58 PM	69643
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/19/2022 11:32:54 AM	69628
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/19/2022 11:32:54 AM	69628
Surr: DNOP	78.7	21-129		%Rec	1	8/19/2022 11:32:54 AM	69628
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	8/19/2022 4:33:35 PM	B90417
Surr: BFB	110	37.7-212		%Rec	1	8/19/2022 4:33:35 PM	B90417
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	8/19/2022 4:33:35 PM	D90417
Toluene	ND	0.041		mg/Kg	1	8/19/2022 4:33:35 PM	D90417
Ethylbenzene	ND	0.041		mg/Kg	1	8/19/2022 4:33:35 PM	D90417
Xylenes, Total	ND	0.081		mg/Kg	1	8/19/2022 4:33:35 PM	D90417
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	8/19/2022 4:33:35 PM	D90417

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208B91

23-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69643	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69643	RunNo: 90418								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3228127	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69643	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69643	RunNo: 90418								
Prep Date: 8/19/2022	Analysis Date: 8/19/2022	SeqNo: 3228128	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208B91

23-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69628	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69628		RunNo: 90423							
Prep Date: 8/19/2022	Analysis Date: 8/19/2022		SeqNo: 3226587		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		76.7	21	129			

Sample ID: LCS-69628	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69628		RunNo: 90423							
Prep Date: 8/19/2022	Analysis Date: 8/19/2022		SeqNo: 3226588		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.2	64.4	127			
Surr: DNOP	3.8		5.000		76.1	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208B91

23-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227673		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		113	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: B90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227674		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137			
Surr: BFB	2100		1000		207	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208B91

23-Aug-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227719		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: D90417		RunNo: 90417							
Prep Date:	Analysis Date: 8/19/2022		SeqNo: 3227720		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.8	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2208B91 RcptNo: 1

Received By: Juan Rojas 8/19/2022 7:10:00 AM
Completed By: Juan Rojas 8/19/2022 7:18:23 AM
Reviewed By: NBS 8/19/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: JNS 8/19/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.5, Good, [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

August 31, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: ROY SWD 3

OrderNo.: 2208G24

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2208G24**

Date Reported: **8/31/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-42/B

Project: ROY SWD 3

Collection Date: 8/22/2022 9:30:00 AM

Lab ID: 2208G24-001

Matrix: MEOH (SOIL) **Received Date:** 8/26/2022 7:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	470	60		mg/Kg	20	8/26/2022 4:05:48 PM	69797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/26/2022 1:42:44 PM	69790
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2022 1:42:44 PM	69790
Surr: DNOP	76.2	21-129		%Rec	1	8/26/2022 1:42:44 PM	69790
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	8/26/2022 9:49:04 AM	G90591
Surr: BFB	94.2	37.7-212		%Rec	1	8/26/2022 9:49:04 AM	G90591
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	8/26/2022 9:49:04 AM	B90591
Toluene	ND	0.037		mg/Kg	1	8/26/2022 9:49:04 AM	B90591
Ethylbenzene	ND	0.037		mg/Kg	1	8/26/2022 9:49:04 AM	B90591
Xylenes, Total	ND	0.074		mg/Kg	1	8/26/2022 9:49:04 AM	B90591
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	8/26/2022 9:49:04 AM	B90591

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G24**

Date Reported: **8/31/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8A

Project: ROY SWD 3

Collection Date: 8/24/2022 9:30:00 AM

Lab ID: 2208G24-002

Matrix: MEOH (SOIL) **Received Date:** 8/26/2022 7:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/26/2022 4:18:09 PM	69797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/26/2022 1:53:27 PM	69790
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/26/2022 1:53:27 PM	69790
Surr: DNOP	79.1	21-129		%Rec	1	8/26/2022 1:53:27 PM	69790
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/26/2022 10:12:37 AM	G90591
Surr: BFB	93.5	37.7-212		%Rec	1	8/26/2022 10:12:37 AM	G90591
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	8/26/2022 10:12:37 AM	B90591
Toluene	ND	0.035		mg/Kg	1	8/26/2022 10:12:37 AM	B90591
Ethylbenzene	ND	0.035		mg/Kg	1	8/26/2022 10:12:37 AM	B90591
Xylenes, Total	ND	0.070		mg/Kg	1	8/26/2022 10:12:37 AM	B90591
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	8/26/2022 10:12:37 AM	B90591

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G24**

Date Reported: **8/31/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9A

Project: ROY SWD 3

Collection Date: 8/24/2022 9:32:00 AM

Lab ID: 2208G24-003

Matrix: MEOH (SOIL) **Received Date:** 8/26/2022 7:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/26/2022 4:30:29 PM	69797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/26/2022 2:04:12 PM	69790
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/26/2022 2:04:12 PM	69790
Surr: DNOP	76.9	21-129		%Rec	1	8/26/2022 2:04:12 PM	69790
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	8/26/2022 10:36:05 AM	G90591
Surr: BFB	93.7	37.7-212		%Rec	1	8/26/2022 10:36:05 AM	G90591
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	8/26/2022 10:36:05 AM	B90591
Toluene	ND	0.039		mg/Kg	1	8/26/2022 10:36:05 AM	B90591
Ethylbenzene	ND	0.039		mg/Kg	1	8/26/2022 10:36:05 AM	B90591
Xylenes, Total	ND	0.077		mg/Kg	1	8/26/2022 10:36:05 AM	B90591
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	8/26/2022 10:36:05 AM	B90591

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G24**

Date Reported: **8/31/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12A

Project: ROY SWD 3

Collection Date: 8/24/2022 9:34:00 AM

Lab ID: 2208G24-004

Matrix: MEOH (SOIL) **Received Date:** 8/26/2022 7:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/26/2022 4:42:50 PM	69797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/26/2022 12:58:03 PM	69790
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/26/2022 12:58:03 PM	69790
Surr: DNOP	69.1	21-129		%Rec	1	8/26/2022 12:58:03 PM	69790
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	8/26/2022 10:59:36 AM	G90591
Surr: BFB	93.0	37.7-212		%Rec	1	8/26/2022 10:59:36 AM	G90591
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	8/26/2022 10:59:36 AM	B90591
Toluene	ND	0.033		mg/Kg	1	8/26/2022 10:59:36 AM	B90591
Ethylbenzene	ND	0.033		mg/Kg	1	8/26/2022 10:59:36 AM	B90591
Xylenes, Total	ND	0.065		mg/Kg	1	8/26/2022 10:59:36 AM	B90591
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	8/26/2022 10:59:36 AM	B90591

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G24

31-Aug-22

Client: EOG
Project: ROY SWD 3

Sample ID: MB-69797	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69797	RunNo: 90607								
Prep Date: 8/26/2022	Analysis Date: 8/26/2022	SeqNo: 3238580	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69797	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69797	RunNo: 90607								
Prep Date: 8/26/2022	Analysis Date: 8/26/2022	SeqNo: 3238581	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G24

31-Aug-22

Client: EOG
Project: ROY SWD 3

Sample ID: LCS-69790	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69790		RunNo: 90606							
Prep Date: 8/26/2022	Analysis Date: 8/26/2022		SeqNo: 3237274		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	15	50.00	0	73.3	64.4	127			
Surr: DNOP	2.9		5.000		57.8	21	129			

Sample ID: MB-69790	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69790		RunNo: 90606							
Prep Date: 8/26/2022	Analysis Date: 8/26/2022		SeqNo: 3237275		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.7		10.00		66.7	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G24

31-Aug-22

Client: EOG
Project: ROY SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: G90591		RunNo: 90591							
Prep Date:	Analysis Date: 8/26/2022		SeqNo: 3237651		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.8	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: G90591		RunNo: 90591							
Prep Date:	Analysis Date: 8/26/2022		SeqNo: 3237652		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.7	72.3	137			
Surr: BFB	1900		1000		187	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G24

31-Aug-22

Client: EOG
Project: ROY SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B90591		RunNo: 90591							
Prep Date:	Analysis Date: 8/26/2022		SeqNo: 3237666		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		90.6	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B90591		RunNo: 90591							
Prep Date:	Analysis Date: 8/26/2022		SeqNo: 3237667		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	0.95	0.050	1.000	0	95.1	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.7	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2208G24

RcptNo: 1

Received By: Cheyenne Cason

8/26/2022 7:59:00 AM

Handwritten signature

Completed By: Cheyenne Cason

8/26/2022 8:26:52 AM

Handwritten signature

Reviewed By: DAD 8/26/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [] No [checked] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: sac 8/26/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 8.7, Good, Not Present, [], [], []

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Date	Time	Matrix	Sample Name
8-22-22	0930	soil	EX-42/B
8-24-22	0930		B-8A
	0932		B-9A
	0934		B-12A

Date: 8-25-22 Time: 836
 Relinquished by: J. Martinez
 Date: 9/15/22 Time: 1900
 Relinquished by: [Signature]

Turn-Around Time:
 Standard Rush 24 HOUR
 Project Name:
 Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CP): 8.7°C = 8.7°C

Container Type and #	Preservative Type	HEAL No.
1x 5oz Jar	ICE	2208G24
		001
		002
		003
		004

Received by: [Signature] Date: 8/25/22 Time: 730
 Received by: [Signature] Date: [] Time: []

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	Chloride (EPA 300)	TPH:8015D(GRO / DRO / MRO)	BTEX (8021)
	X	X	X

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 09, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2208G91

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 9 sample(s) on 8/27/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 02, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 7/B

Project: Roy SWD 3

Collection Date: 8/25/2022 12:02:00 PM

Lab ID: 2208G91-001

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	8/29/2022 7:39:31 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/30/2022 4:29:26 AM	69828
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2022 4:29:26 AM	69828
Surr: DNOP	90.9	21-129		%Rec	1	8/30/2022 4:29:26 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	8/27/2022 6:14:00 PM	A90618
Surr: BFB	102	37.7-212		%Rec	1	8/27/2022 6:14:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.021		mg/Kg	1	8/27/2022 6:14:00 PM	B90618
Toluene	ND	0.042		mg/Kg	1	8/27/2022 6:14:00 PM	B90618
Ethylbenzene	ND	0.042		mg/Kg	1	8/27/2022 6:14:00 PM	B90618
Xylenes, Total	ND	0.084		mg/Kg	1	8/27/2022 6:14:00 PM	B90618
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	8/27/2022 6:14:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 8/B

Project: Roy SWD 3

Collection Date: 8/25/2022 12:04:00 PM

Lab ID: 2208G91-002

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	8/29/2022 7:51:55 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/30/2022 4:40:11 AM	69828
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/30/2022 4:40:11 AM	69828
Surr: DNOP	83.4	21-129		%Rec	1	8/30/2022 4:40:11 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	8/27/2022 6:33:00 PM	A90618
Surr: BFB	106	37.7-212		%Rec	1	8/27/2022 6:33:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.016		mg/Kg	1	8/27/2022 6:33:00 PM	B90618
Toluene	ND	0.033		mg/Kg	1	8/27/2022 6:33:00 PM	B90618
Ethylbenzene	ND	0.033		mg/Kg	1	8/27/2022 6:33:00 PM	B90618
Xylenes, Total	ND	0.066		mg/Kg	1	8/27/2022 6:33:00 PM	B90618
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	8/27/2022 6:33:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 16/A

Project: Roy SWD 3

Collection Date: 8/25/2022 12:06:00 PM

Lab ID: 2208G91-003

Matrix: MEOH (SOIL) **Received Date:** 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	960	60		mg/Kg	20	8/29/2022 8:04:20 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/30/2022 4:50:55 AM	69828
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/30/2022 4:50:55 AM	69828
Surr: DNOP	85.3	21-129		%Rec	1	8/30/2022 4:50:55 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	8/27/2022 6:53:00 PM	A90618
Surr: BFB	104	37.7-212		%Rec	1	8/27/2022 6:53:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	8/27/2022 6:53:00 PM	B90618
Toluene	ND	0.035		mg/Kg	1	8/27/2022 6:53:00 PM	B90618
Ethylbenzene	ND	0.035		mg/Kg	1	8/27/2022 6:53:00 PM	B90618
Xylenes, Total	ND	0.071		mg/Kg	1	8/27/2022 6:53:00 PM	B90618
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	8/27/2022 6:53:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX - 43/A

Project: Roy SWD 3

Collection Date: 8/25/2022 12:08:00 PM

Lab ID: 2208G91-004

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	8/29/2022 8:16:44 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/30/2022 5:01:37 AM	69828
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/30/2022 5:01:37 AM	69828
Surr: DNOP	86.3	21-129		%Rec	1	8/30/2022 5:01:37 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	8/27/2022 7:12:00 PM	A90618
Surr: BFB	105	37.7-212		%Rec	1	8/27/2022 7:12:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.022		mg/Kg	1	8/27/2022 7:12:00 PM	B90618
Toluene	ND	0.043		mg/Kg	1	8/27/2022 7:12:00 PM	B90618
Ethylbenzene	ND	0.043		mg/Kg	1	8/27/2022 7:12:00 PM	B90618
Xylenes, Total	ND	0.087		mg/Kg	1	8/27/2022 7:12:00 PM	B90618
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	8/27/2022 7:12:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW - 20

Project: Roy SWD 3

Collection Date: 8/25/2022 12:10:00 PM

Lab ID: 2208G91-005

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	440	60		mg/Kg	20	8/29/2022 8:53:58 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/30/2022 5:12:19 AM	69828
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/30/2022 5:12:19 AM	69828
Surr: DNOP	83.3	21-129		%Rec	1	8/30/2022 5:12:19 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/27/2022 7:32:00 PM	A90618
Surr: BFB	108	37.7-212		%Rec	1	8/27/2022 7:32:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	8/27/2022 7:32:00 PM	B90618
Toluene	ND	0.047		mg/Kg	1	8/27/2022 7:32:00 PM	B90618
Ethylbenzene	ND	0.047		mg/Kg	1	8/27/2022 7:32:00 PM	B90618
Xylenes, Total	ND	0.094		mg/Kg	1	8/27/2022 7:32:00 PM	B90618
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	1	8/27/2022 7:32:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW - 21

Project: Roy SWD 3

Collection Date: 8/25/2022 12:12:00 PM

Lab ID: 2208G91-006

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	980	60		mg/Kg	20	8/29/2022 9:06:22 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/30/2022 5:23:03 AM	69828
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/30/2022 5:23:03 AM	69828
Surr: DNOP	85.8	21-129		%Rec	1	8/30/2022 5:23:03 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	8/27/2022 7:52:00 PM	A90618
Surr: BFB	105	37.7-212		%Rec	1	8/27/2022 7:52:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.021		mg/Kg	1	8/27/2022 7:52:00 PM	B90618
Toluene	ND	0.042		mg/Kg	1	8/27/2022 7:52:00 PM	B90618
Ethylbenzene	ND	0.042		mg/Kg	1	8/27/2022 7:52:00 PM	B90618
Xylenes, Total	ND	0.084		mg/Kg	1	8/27/2022 7:52:00 PM	B90618
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	8/27/2022 7:52:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 1/A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:00:00 PM

Lab ID: 2208G91-007

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	940	59		mg/Kg	20	8/29/2022 9:18:46 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	8/30/2022 5:33:49 AM	69828
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	8/30/2022 5:33:49 AM	69828
Surr: DNOP	83.6	21-129		%Rec	1	8/30/2022 5:33:49 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	8/27/2022 8:11:00 PM	A90618
Surr: BFB	105	37.7-212		%Rec	1	8/27/2022 8:11:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.020		mg/Kg	1	8/27/2022 8:11:00 PM	B90618
Toluene	ND	0.039		mg/Kg	1	8/27/2022 8:11:00 PM	B90618
Ethylbenzene	ND	0.039		mg/Kg	1	8/27/2022 8:11:00 PM	B90618
Xylenes, Total	ND	0.078		mg/Kg	1	8/27/2022 8:11:00 PM	B90618
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	8/27/2022 8:11:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 2/A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:02:00 PM

Lab ID: 2208G91-008

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	8/29/2022 9:31:11 PM	69832
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/30/2022 5:44:34 AM	69828
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/30/2022 5:44:34 AM	69828
Surr: DNOP	86.9	21-129		%Rec	1	8/30/2022 5:44:34 AM	69828
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	8/27/2022 8:31:00 PM	A90618
Surr: BFB	104	37.7-212		%Rec	1	8/27/2022 8:31:00 PM	A90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.018		mg/Kg	1	8/27/2022 8:31:00 PM	B90618
Toluene	ND	0.036		mg/Kg	1	8/27/2022 8:31:00 PM	B90618
Ethylbenzene	ND	0.036		mg/Kg	1	8/27/2022 8:31:00 PM	B90618
Xylenes, Total	ND	0.072		mg/Kg	1	8/27/2022 8:31:00 PM	B90618
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/27/2022 8:31:00 PM	B90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G91**

Date Reported: **9/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: P - 3/A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:04:00 PM

Lab ID: 2208G91-009

Matrix: MEOH (SOIL) **Received Date:** 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	400	60		mg/Kg	20	8/30/2022 10:09:09 AM	69846
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	8/29/2022 12:29:39 PM	69815
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/29/2022 12:29:39 PM	69815
Surr: DNOP	93.2	21-129		%Rec	1	8/29/2022 12:29:39 PM	69815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	8/27/2022 10:28:00 PM	C90618
Surr: BFB	99.3	37.7-212		%Rec	1	8/27/2022 10:28:00 PM	C90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.020		mg/Kg	1	8/27/2022 10:28:00 PM	D90618
Toluene	ND	0.041		mg/Kg	1	8/27/2022 10:28:00 PM	D90618
Ethylbenzene	ND	0.041		mg/Kg	1	8/27/2022 10:28:00 PM	D90618
Xylenes, Total	ND	0.082		mg/Kg	1	8/27/2022 10:28:00 PM	D90618
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	8/27/2022 10:28:00 PM	D90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G91

09-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69832	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69832	RunNo: 90648								
Prep Date: 8/29/2022	Analysis Date: 8/29/2022	SeqNo: 3239411	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69832	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69832	RunNo: 90648								
Prep Date: 8/29/2022	Analysis Date: 8/29/2022	SeqNo: 3239412	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: MB-69846	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69846	RunNo: 90664								
Prep Date: 8/30/2022	Analysis Date: 8/30/2022	SeqNo: 3241292	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69846	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69846	RunNo: 90664								
Prep Date: 8/30/2022	Analysis Date: 8/30/2022	SeqNo: 3241294	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G91

09-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69815	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69815	RunNo: 90634								
Prep Date: 8/29/2022	Analysis Date: 8/29/2022	SeqNo: 3238730	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	15	50.00	0	77.4	64.4	127			
Surr: DNOP	3.7		5.000		73.9	21	129			

Sample ID: MB-69815	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69815	RunNo: 90634								
Prep Date: 8/29/2022	Analysis Date: 8/29/2022	SeqNo: 3238731	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.6	21	129			

Sample ID: LCS-69828	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 69828	RunNo: 90634								
Prep Date: 8/29/2022	Analysis Date: 8/30/2022	SeqNo: 3239246	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.5	64.4	127			
Surr: DNOP	3.9		5.000		77.2	21	129			

Sample ID: MB-69828	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 69828	RunNo: 90634								
Prep Date: 8/29/2022	Analysis Date: 8/30/2022	SeqNo: 3239248	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.9	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G91

09-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237682		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	72.3	137			
Surr: BFB	2300		1000		232	37.7	212			S

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237683		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	37.7	212			

Sample ID: 2.5ug gro lcs 2	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: C90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237706		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.1	72.3	137			
Surr: BFB	2200		1000		221	37.7	212			S

Sample ID: mb 2	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: C90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237707		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G91

09-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237718		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.9	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

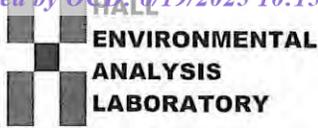
Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237719		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: D90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237742		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.96	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: mb 2	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: D90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237743		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: EOG

Work Order Number: 2208G91

RcptNo: 1

Received By: Tracy Casarrubias 8/27/2022 9:35:00 AM

Completed By: Isaiah Ortiz 8/27/2022 10:22:35 AM

Reviewed By: *tlm* 8/27

IOX

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

IO
of preserved bottles checked for pH: 8.27.22
(<2 or >12 unless noted)
Adjusted? _____
Checked by: _____

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Not Present			
2	4.8	Good	Not Present			
3	5.6	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 08, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2208G94

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/27/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 02, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2208G94**

Date Reported: **9/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W - 3A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:26:00 PM

Lab ID: 2208G94-001

Matrix: MEOH (SOIL) **Received Date:** 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	310	60		mg/Kg	20	8/30/2022 10:21:34 AM	69846
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/29/2022 12:41:29 PM	69815
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/29/2022 12:41:29 PM	69815
Surr: DNOP	84.0	21-129		%Rec	1	8/29/2022 12:41:29 PM	69815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	8/27/2022 11:27:00 PM	C90618
Surr: BFB	102	37.7-212		%Rec	1	8/27/2022 11:27:00 PM	C90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	8/27/2022 11:27:00 PM	D90618
Toluene	ND	0.045		mg/Kg	1	8/27/2022 11:27:00 PM	D90618
Ethylbenzene	ND	0.045		mg/Kg	1	8/27/2022 11:27:00 PM	D90618
Xylenes, Total	ND	0.090		mg/Kg	1	8/27/2022 11:27:00 PM	D90618
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	8/27/2022 11:27:00 PM	D90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G94**

Date Reported: **9/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:40:00 PM

Lab ID: 2208G94-002

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	990	60		mg/Kg	20	8/30/2022 10:33:58 AM	69846
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/29/2022 12:52:06 PM	69815
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/29/2022 12:52:06 PM	69815
Surr: DNOP	84.6	21-129		%Rec	1	8/29/2022 12:52:06 PM	69815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	8/28/2022 12:25:00 AM	C90618
Surr: BFB	107	37.7-212		%Rec	1	8/28/2022 12:25:00 AM	C90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.020		mg/Kg	1	8/28/2022 12:25:00 AM	D90618
Toluene	ND	0.041		mg/Kg	1	8/28/2022 12:25:00 AM	D90618
Ethylbenzene	ND	0.041		mg/Kg	1	8/28/2022 12:25:00 AM	D90618
Xylenes, Total	ND	0.081		mg/Kg	1	8/28/2022 12:25:00 AM	D90618
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	8/28/2022 12:25:00 AM	D90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2208G94**

Date Reported: **9/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W - 2/A

Project: Roy SWD 3

Collection Date: 8/25/2022 1:24:00 PM

Lab ID: 2208G94-003

Matrix: MEOH (SOIL)

Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	900	60		mg/Kg	20	8/30/2022 10:46:23 AM	69846
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	8/29/2022 1:24:02 PM	69815
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/29/2022 1:24:02 PM	69815
Surr: DNOP	90.1	21-129		%Rec	1	8/29/2022 1:24:02 PM	69815
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.3		mg/Kg	1	8/28/2022 12:44:00 AM	C90618
Surr: BFB	101	37.7-212		%Rec	1	8/28/2022 12:44:00 AM	C90618
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.022		mg/Kg	1	8/28/2022 12:44:00 AM	D90618
Toluene	ND	0.043		mg/Kg	1	8/28/2022 12:44:00 AM	D90618
Ethylbenzene	ND	0.043		mg/Kg	1	8/28/2022 12:44:00 AM	D90618
Xylenes, Total	ND	0.087		mg/Kg	1	8/28/2022 12:44:00 AM	D90618
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	8/28/2022 12:44:00 AM	D90618

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G94

08-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-69846	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 69846	RunNo: 90664								
Prep Date: 8/30/2022	Analysis Date: 8/30/2022	SeqNo: 3241292	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-69846	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 69846	RunNo: 90664								
Prep Date: 8/30/2022	Analysis Date: 8/30/2022	SeqNo: 3241294	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G94

08-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69815	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69815		RunNo: 90634							
Prep Date: 8/29/2022	Analysis Date: 8/29/2022		SeqNo: 3238730		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	15	50.00	0	77.4	64.4	127			
Surr: DNOP	3.7		5.000		73.9	21	129			

Sample ID: MB-69815	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69815		RunNo: 90634							
Prep Date: 8/29/2022	Analysis Date: 8/29/2022		SeqNo: 3238731		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		83.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G94

08-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: 2.5ug gro lcs 2	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: C90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237706		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.1	72.3	137			
Surr: BFB	2200		1000		221	37.7	212			S

Sample ID: mb 2	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: C90618		RunNo: 90618							
Prep Date:	Analysis Date: 8/27/2022		SeqNo: 3237707		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2208G94

08-Sep-22

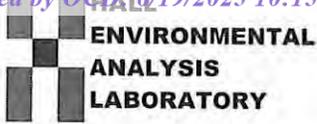
Client: EOG
Project: Roy SWD 3

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: D90618	RunNo: 90618								
Prep Date:	Analysis Date: 8/27/2022	SeqNo: 3237742	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.96	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: mb 2	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: D90618	RunNo: 90618								
Prep Date:	Analysis Date: 8/27/2022	SeqNo: 3237743	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: EOG

Work Order Number: 2208G94

RcptNo: 1

Received By: Tracy Casarrubias 8/27/2022 9:35:00 AM
Completed By: Isaiah Ortiz 8/27/2022 10:38:54 AM
Reviewed By: TME 8/27

IOX

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

IO

of preserved bottles checked for pH: 8/27
(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____

By Whom: _____ Via: eMail Phone Fax In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Not Present			
2	4.8	Good	Not Present			
3	5.6	Good	Not Present			

Chain-of-Custody Record

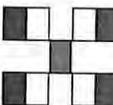
Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 24 hr
 Project Name:
ROY SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 3
 Cooler Temp (including CP): See Remarks

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8-28-22	1324	soil	w-34	1x402 Jar	ICF	001
	1340		B-1/A			002
	1324		w-2/A			003

Received by: Alumina Date: 8/26/22 Time: 12:27
 Relinquished by: J. Martinez
 Received by: Alumina Date: 8/27/22 Time: 9:35
 Relinquished by: Alumina



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	TFH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)	BTEX (8021)
	X	X	X
	X	X	X
	X	X	X

Remarks: Bill to EOG Artesia
 1.) 4.0 4.0°C
 2.) 4.8 - 8 = 4.8°C
 3.) 5.6 5.6°C

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

September 14, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2209420

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 5 sample(s) on 9/9/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2209420**

Date Reported: **9/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-41/24

Project: Roy SWD 3

Collection Date: 9/7/2022 11:48:00 AM

Lab ID: 2209420-001

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 2:24:49 PM	70100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 2:14:51 PM	70068
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/9/2022 2:14:51 PM	70068
Surr: DNOP	75.1	21-129		%Rec	1	9/9/2022 2:14:51 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	9/9/2022 1:30:53 PM	G90918
Surr: BFB	97.7	37.7-212		%Rec	1	9/9/2022 1:30:53 PM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/9/2022 1:30:53 PM	B90918
Toluene	ND	0.037		mg/Kg	1	9/9/2022 1:30:53 PM	B90918
Ethylbenzene	ND	0.037		mg/Kg	1	9/9/2022 1:30:53 PM	B90918
Xylenes, Total	ND	0.074		mg/Kg	1	9/9/2022 1:30:53 PM	B90918
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	9/9/2022 1:30:53 PM	B90918

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209420**

Date Reported: **9/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-41/23

Project: Roy SWD 3

Collection Date: 9/7/2022 11:44:00 AM

Lab ID: 2209420-002

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	750	60		mg/Kg	20	9/12/2022 3:01:52 PM	70100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 2:25:33 PM	70068
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/9/2022 2:25:33 PM	70068
Surr: DNOP	83.6	21-129		%Rec	1	9/9/2022 2:25:33 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	9/9/2022 1:54:24 PM	G90918
Surr: BFB	101	37.7-212		%Rec	1	9/9/2022 1:54:24 PM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	9/9/2022 1:54:24 PM	B90918
Toluene	ND	0.044		mg/Kg	1	9/9/2022 1:54:24 PM	B90918
Ethylbenzene	ND	0.044		mg/Kg	1	9/9/2022 1:54:24 PM	B90918
Xylenes, Total	ND	0.087		mg/Kg	1	9/9/2022 1:54:24 PM	B90918
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	9/9/2022 1:54:24 PM	B90918

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209420**

Date Reported: **9/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-40/18

Project: Roy SWD 3

Collection Date: 9/7/2022 11:34:00 AM

Lab ID: 2209420-003

Matrix: MEOH (SOIL)

Received Date: 9/9/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	730	60		mg/Kg	20	9/12/2022 3:14:13 PM	70100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 2:36:16 PM	70068
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/9/2022 2:36:16 PM	70068
Surr: DNOP	81.7	21-129		%Rec	1	9/9/2022 2:36:16 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.4		mg/Kg	1	9/9/2022 3:04:59 PM	G90918
Surr: BFB	101	37.7-212		%Rec	1	9/9/2022 3:04:59 PM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	9/9/2022 3:04:59 PM	B90918
Toluene	ND	0.044		mg/Kg	1	9/9/2022 3:04:59 PM	B90918
Ethylbenzene	ND	0.044		mg/Kg	1	9/9/2022 3:04:59 PM	B90918
Xylenes, Total	ND	0.088		mg/Kg	1	9/9/2022 3:04:59 PM	B90918
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	9/9/2022 3:04:59 PM	B90918

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209420**

Date Reported: **9/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EX-40/19

Project: Roy SWD 3

Collection Date: 9/7/2022 11:36:00 AM

Lab ID: 2209420-004

Matrix: MEOH (SOIL) **Received Date:** 9/9/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 3:26:34 PM	70100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 2:46:55 PM	70068
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/9/2022 2:46:55 PM	70068
Surr: DNOP	69.2	21-129		%Rec	1	9/9/2022 2:46:55 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	9/9/2022 3:28:30 PM	G90918
Surr: BFB	99.0	37.7-212		%Rec	1	9/9/2022 3:28:30 PM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/9/2022 3:28:30 PM	B90918
Toluene	ND	0.036		mg/Kg	1	9/9/2022 3:28:30 PM	B90918
Ethylbenzene	ND	0.036		mg/Kg	1	9/9/2022 3:28:30 PM	B90918
Xylenes, Total	ND	0.072		mg/Kg	1	9/9/2022 3:28:30 PM	B90918
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	9/9/2022 3:28:30 PM	B90918

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209420**

Date Reported: **9/14/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11/B

Project: Roy SWD 3

Collection Date: 9/7/2022 1:38:00 PM

Lab ID: 2209420-005

Matrix: MEOH (SOIL) **Received Date:** 9/9/2022 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	9/12/2022 3:38:54 PM	70100
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/9/2022 2:57:33 PM	70068
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/9/2022 2:57:33 PM	70068
Surr: DNOP	84.9	21-129		%Rec	1	9/9/2022 2:57:33 PM	70068
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	9/9/2022 3:52:00 PM	G90918
Surr: BFB	100	37.7-212		%Rec	1	9/9/2022 3:52:00 PM	G90918
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/9/2022 3:52:00 PM	B90918
Toluene	ND	0.039		mg/Kg	1	9/9/2022 3:52:00 PM	B90918
Ethylbenzene	ND	0.039		mg/Kg	1	9/9/2022 3:52:00 PM	B90918
Xylenes, Total	ND	0.078		mg/Kg	1	9/9/2022 3:52:00 PM	B90918
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	9/9/2022 3:52:00 PM	B90918

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209420

14-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70100	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70100	RunNo: 90958								
Prep Date: 9/12/2022	Analysis Date: 9/12/2022	SeqNo: 3253203	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70100	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70100	RunNo: 90958								
Prep Date: 9/12/2022	Analysis Date: 9/12/2022	SeqNo: 3253204	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209420

14-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-69992	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248817				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		83.0	21	129			

Sample ID: MB-69992	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 69992		RunNo: 90851							
Prep Date: 9/6/2022	Analysis Date: 9/8/2022		SeqNo: 3248818				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		131	21	129			S

Sample ID: LCS-70068	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3250676				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	15	50.00	0	71.8	64.4	127			
Surr: DNOP	3.4		5.000		67.7	21	129			

Sample ID: MB-70068	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70068		RunNo: 90851							
Prep Date: 9/9/2022	Analysis Date: 9/9/2022		SeqNo: 3250684				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.0	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209420

14-Sep-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: G90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251213		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.5	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: G90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251214		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.2	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209420

14-Sep-22

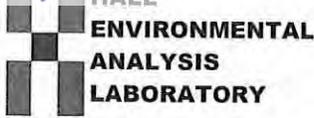
Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251278		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B90918		RunNo: 90918							
Prep Date:	Analysis Date: 9/9/2022		SeqNo: 3251279		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.0	80	120			
Toluene	0.91	0.050	1.000	0	90.8	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2209420

RcptNo: 1

Received By: Sean Livingston

9/9/2022 7:35:00 AM

Completed By: Sean Livingston

9/9/2022 8:03:34 AM

Reviewed By: 9-9-22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: jn a/a/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good				



Environment Testing

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Chase Settle
EOG Resources, Inc.
104 South Fourth St.
Artesia, New Mexico 88210

Generated 3/29/2024 2:17:01 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-1057-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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3/29/2024 2:17:01 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Laboratory Job ID: 885-1057-1



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Definitions/Glossary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: EOG Resources, Inc.
Project: Roy SWD #3

Job ID: 885-1057-1

Job ID: 885-1057-1

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Job Narrative 885-1057-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/13/2024 7:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-2B

Lab Sample ID: 885-1057-1

Date Collected: 03/11/24 09:00

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/13/24 17:13	03/15/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			03/13/24 17:13	03/15/24 17:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/13/24 17:13	03/15/24 17:07	1
Ethylbenzene	ND		0.049	mg/Kg		03/13/24 17:13	03/15/24 17:07	1
Toluene	ND		0.049	mg/Kg		03/13/24 17:13	03/15/24 17:07	1
Xylenes, Total	ND		0.099	mg/Kg		03/13/24 17:13	03/15/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/13/24 17:13	03/15/24 17:07	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		03/14/24 13:05	03/14/24 21:05	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/14/24 13:05	03/14/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		69 - 147			03/14/24 13:05	03/14/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	62		60	mg/Kg		03/18/24 08:30	03/18/24 10:29	20

Client Sample ID: P-4A

Lab Sample ID: 885-1057-2

Date Collected: 03/11/24 09:10

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/13/24 17:13	03/15/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			03/13/24 17:13	03/15/24 17:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/13/24 17:13	03/15/24 17:31	1
Ethylbenzene	ND		0.049	mg/Kg		03/13/24 17:13	03/15/24 17:31	1
Toluene	ND		0.049	mg/Kg		03/13/24 17:13	03/15/24 17:31	1
Xylenes, Total	ND		0.098	mg/Kg		03/13/24 17:13	03/15/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/13/24 17:13	03/15/24 17:31	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/14/24 14:20	03/16/24 00:44	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-4A
Date Collected: 03/11/24 09:10
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-2
Matrix: Solid

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/14/24 14:20	03/16/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		69 - 147			03/14/24 14:20	03/16/24 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		61	mg/Kg		03/18/24 08:30	03/18/24 10:41	20

Client Sample ID: P-5A
Date Collected: 03/11/24 09:12
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-3
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/13/24 17:13	03/15/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244			03/13/24 17:13	03/15/24 18:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/13/24 17:13	03/15/24 18:41	1
Ethylbenzene	ND		0.048	mg/Kg		03/13/24 17:13	03/15/24 18:41	1
Toluene	ND		0.048	mg/Kg		03/13/24 17:13	03/15/24 18:41	1
Xylenes, Total	ND		0.096	mg/Kg		03/13/24 17:13	03/15/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146			03/13/24 17:13	03/15/24 18:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/14/24 14:20	03/16/24 01:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/14/24 14:20	03/16/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		69 - 147			03/14/24 14:20	03/16/24 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		59	mg/Kg		03/18/24 08:30	03/18/24 10:54	20

Client Sample ID: P-6A
Date Collected: 03/11/24 09:14
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-4
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/14/24 12:04	03/18/24 11:12	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-6A
Date Collected: 03/11/24 09:14
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-4
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	95		15 - 244	03/14/24 12:04	03/18/24 11:12	1		
Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 11:12	1
Ethylbenzene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 11:12	1
Toluene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 11:12	1
Xylenes, Total	ND		0.099	mg/Kg		03/14/24 12:04	03/18/24 11:12	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	92		39 - 146	03/14/24 12:04	03/18/24 11:12	1		
Method: SW846 8015D - Diesel Range Organics (DRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/15/24 15:38	03/19/24 10:57	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/15/24 15:38	03/19/24 10:57	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	104		69 - 147	03/15/24 15:38	03/19/24 10:57	1		
Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		03/18/24 08:30	03/18/24 11:06	20

Client Sample ID: P-8C
Date Collected: 03/11/24 09:20
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-5
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/14/24 12:04	03/18/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 11:36	1		
Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 11:36	1
Ethylbenzene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 11:36	1
Toluene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 11:36	1
Xylenes, Total	ND		0.099	mg/Kg		03/14/24 12:04	03/18/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	93		39 - 146	03/14/24 12:04	03/18/24 11:36	1		
Method: SW846 8015D - Diesel Range Organics (DRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/15/24 15:38	03/19/24 11:09	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 11:09	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	108		69 - 147	03/15/24 15:38	03/19/24 11:09	1		

Eurofins Albuquerque

Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-8C
Date Collected: 03/11/24 09:20
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-5
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/18/24 08:30	03/18/24 11:18	20

Client Sample ID: EX-43B
Date Collected: 03/11/24 09:22
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-6
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/14/24 12:04	03/18/24 12:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 12:00	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 12:00	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 12:00	1
Xylenes, Total	ND		0.097	mg/Kg		03/14/24 12:04	03/18/24 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146	03/14/24 12:04	03/18/24 12:00	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		03/15/24 15:38	03/19/24 11:21	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 11:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		69 - 147	03/15/24 15:38	03/19/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/18/24 08:30	03/18/24 11:31	20

Client Sample ID: EX-41A
Date Collected: 03/11/24 09:24
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-7
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 12:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/14/24 12:04	03/18/24 12:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 12:23	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 12:23	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 12:23	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-41A

Lab Sample ID: 885-1057-7

Date Collected: 03/11/24 09:24

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.099	mg/Kg		03/14/24 12:04	03/18/24 12:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/14/24 12:04	03/18/24 12:23	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/15/24 15:38	03/19/24 11:33	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 11:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		69 - 147			03/15/24 15:38	03/19/24 11:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		03/18/24 08:30	03/18/24 11:43	20

Client Sample ID: EX-40A

Lab Sample ID: 885-1057-8

Date Collected: 03/11/24 10:00

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		03/14/24 12:04	03/18/24 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244			03/14/24 12:04	03/18/24 12:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 12:47	1
Ethylbenzene	ND		0.047	mg/Kg		03/14/24 12:04	03/18/24 12:47	1
Toluene	ND		0.047	mg/Kg		03/14/24 12:04	03/18/24 12:47	1
Xylenes, Total	ND		0.095	mg/Kg		03/14/24 12:04	03/18/24 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/14/24 12:04	03/18/24 12:47	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/15/24 15:38	03/19/24 11:45	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/15/24 15:38	03/19/24 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		69 - 147			03/15/24 15:38	03/19/24 11:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		60	mg/Kg		03/18/24 08:30	03/18/24 11:56	20

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-38A

Lab Sample ID: 885-1057-9

Date Collected: 03/11/24 10:02

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 13:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/14/24 12:04	03/18/24 13:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 13:10	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 13:10	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 13:10	1
Xylenes, Total	ND		0.097	mg/Kg		03/14/24 12:04	03/18/24 13:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/14/24 12:04	03/18/24 13:10	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/15/24 15:38	03/19/24 11:57	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/15/24 15:38	03/19/24 11:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		69 - 147			03/15/24 15:38	03/19/24 11:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/18/24 08:30	03/18/24 12:33	20

Client Sample ID: P-16B

Lab Sample ID: 885-1057-10

Date Collected: 03/11/24 10:04

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/14/24 12:04	03/18/24 13:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 13:34	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 13:34	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 13:34	1
Xylenes, Total	ND		0.098	mg/Kg		03/14/24 12:04	03/18/24 13:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/14/24 12:04	03/18/24 13:34	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/15/24 15:38	03/19/24 12:10	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-16B
Date Collected: 03/11/24 10:04
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-10
Matrix: Solid

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/15/24 15:38	03/19/24 12:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		69 - 147			03/15/24 15:38	03/19/24 12:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		03/18/24 08:30	03/18/24 12:45	20

Client Sample ID: P-16B-W1
Date Collected: 03/11/24 13:02
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-11
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 12:04	03/18/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			03/14/24 12:04	03/18/24 13:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 13:57	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 13:57	1
Toluene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 13:57	1
Xylenes, Total	ND		0.096	mg/Kg		03/14/24 12:04	03/18/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/14/24 12:04	03/18/24 13:57	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/15/24 15:38	03/19/24 12:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/15/24 15:38	03/19/24 12:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		69 - 147			03/15/24 15:38	03/19/24 12:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		03/18/24 08:30	03/18/24 12:57	20

Client Sample ID: P-16B-W2
Date Collected: 03/11/24 13:04
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-12
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 12:04	03/18/24 14:21	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-16B-W2

Lab Sample ID: 885-1057-12

Date Collected: 03/11/24 13:04

Matrix: Solid

Date Received: 03/13/24 07:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/14/24 12:04	03/18/24 14:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 14:21	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 14:21	1
Toluene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 14:21	1
Xylenes, Total	ND		0.096	mg/Kg		03/14/24 12:04	03/18/24 14:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/14/24 12:04	03/18/24 14:21	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		03/15/24 15:38	03/19/24 12:34	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 12:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147	03/15/24 15:38	03/19/24 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61	mg/Kg		03/18/24 08:30	03/18/24 13:10	20

Client Sample ID: EX-38A-W1

Lab Sample ID: 885-1057-13

Date Collected: 03/11/24 13:06

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/14/24 12:04	03/18/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 14:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 14:45	1
Ethylbenzene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 14:45	1
Toluene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 14:45	1
Xylenes, Total	ND		0.10	mg/Kg		03/14/24 12:04	03/18/24 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/14/24 12:04	03/18/24 14:45	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/15/24 15:38	03/19/24 12:59	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/15/24 15:38	03/19/24 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		69 - 147	03/15/24 15:38	03/19/24 12:59	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-38A-W1

Lab Sample ID: 885-1057-13

Date Collected: 03/11/24 13:06

Matrix: Solid

Date Received: 03/13/24 07:35

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		03/18/24 08:30	03/18/24 13:22	20

Client Sample ID: EX-38A-W2

Lab Sample ID: 885-1057-14

Date Collected: 03/11/24 13:08

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 244	03/14/24 12:04	03/18/24 15:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 15:32	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 15:32	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 15:32	1
Xylenes, Total	ND		0.097	mg/Kg		03/14/24 12:04	03/18/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/14/24 12:04	03/18/24 15:32	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/15/24 15:38	03/19/24 13:11	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/15/24 15:38	03/19/24 13:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		69 - 147	03/15/24 15:38	03/19/24 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		03/18/24 08:30	03/18/24 13:34	20

Client Sample ID: EX-41A-W1

Lab Sample ID: 885-1057-15

Date Collected: 03/11/24 13:10

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 12:04	03/18/24 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 15:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 15:55	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 15:55	1
Toluene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 15:55	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-41A-W1

Lab Sample ID: 885-1057-15

Date Collected: 03/11/24 13:10

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.096	mg/Kg		03/14/24 12:04	03/18/24 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/14/24 12:04	03/18/24 15:55	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		03/15/24 15:38	03/19/24 13:23	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/15/24 15:38	03/19/24 13:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		69 - 147	03/15/24 15:38	03/19/24 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		03/18/24 08:30	03/18/24 13:47	20

Client Sample ID: EX-43B-W1

Lab Sample ID: 885-1057-16

Date Collected: 03/11/24 13:12

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 12:04	03/18/24 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 16:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 16:19	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 16:19	1
Toluene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 16:19	1
Xylenes, Total	ND		0.095	mg/Kg		03/14/24 12:04	03/18/24 16:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/14/24 12:04	03/18/24 16:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/15/24 15:38	03/19/24 13:36	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/15/24 15:38	03/19/24 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		69 - 147	03/15/24 15:38	03/19/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		59	mg/Kg		03/18/24 08:30	03/18/24 13:59	20

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-43B-W2

Lab Sample ID: 885-1057-17

Date Collected: 03/11/24 13:30

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/14/24 12:04	03/18/24 16:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 16:42	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 16:42	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 16:42	1
Xylenes, Total	ND		0.098	mg/Kg		03/14/24 12:04	03/18/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/14/24 12:04	03/18/24 16:42	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/15/24 15:38	03/19/24 13:48	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147			03/15/24 15:38	03/19/24 13:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		03/18/24 08:30	03/18/24 14:11	20

Client Sample ID: P-8C-W1

Lab Sample ID: 885-1057-18

Date Collected: 03/11/24 13:32

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244			03/14/24 12:04	03/18/24 17:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 17:06	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:06	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:06	1
Xylenes, Total	ND		0.099	mg/Kg		03/14/24 12:04	03/18/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/14/24 12:04	03/18/24 17:06	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/15/24 15:38	03/19/24 14:00	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-8C-W1

Lab Sample ID: 885-1057-18

Date Collected: 03/11/24 13:32

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/15/24 15:38	03/19/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		69 - 147			03/15/24 15:38	03/19/24 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		03/18/24 08:30	03/18/24 14:24	20

Client Sample ID: P-8C-W2

Lab Sample ID: 885-1057-19

Date Collected: 03/11/24 13:34

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/14/24 12:04	03/18/24 17:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 17:29	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:29	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:29	1
Xylenes, Total	ND		0.098	mg/Kg		03/14/24 12:04	03/18/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/14/24 12:04	03/18/24 17:29	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/15/24 15:38	03/19/24 14:12	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/15/24 15:38	03/19/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		69 - 147			03/15/24 15:38	03/19/24 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		03/18/24 08:30	03/18/24 15:01	20

Client Sample ID: P-6A-W-1

Lab Sample ID: 885-1057-20

Date Collected: 03/11/24 13:36

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 17:52	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-6A-W-1

Lab Sample ID: 885-1057-20

Date Collected: 03/11/24 13:36

Matrix: Solid

Date Received: 03/13/24 07:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	95		15 - 244	03/14/24 12:04	03/18/24 17:52	1		
Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 17:52	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:52	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 17:52	1
Xylenes, Total	ND		0.098	mg/Kg		03/14/24 12:04	03/18/24 17:52	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	92		39 - 146	03/14/24 12:04	03/18/24 17:52	1		
Method: SW846 8015D - Diesel Range Organics (DRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/15/24 15:38	03/19/24 14:25	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/15/24 15:38	03/19/24 14:25	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	108		69 - 147	03/15/24 15:38	03/19/24 14:25	1		
Method: EPA 300.0 - Anions, Ion Chromatography								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		03/18/24 08:30	03/18/24 15:38	20

Client Sample ID: P-6A-W-2

Lab Sample ID: 885-1057-21

Date Collected: 03/11/24 13:38

Matrix: Solid

Date Received: 03/13/24 07:35

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 18:16	1		
Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 18:16	1		
Method: SW846 8021B - Volatile Organic Compounds (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 18:16	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 18:16	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 18:16	1
Xylenes, Total	ND		0.098	mg/Kg		03/14/24 12:04	03/18/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	93		39 - 146	03/14/24 12:04	03/18/24 18:16	1		
Method: SW846 8015D - Diesel Range Organics (DRO) (GC)								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/15/24 15:38	03/19/24 14:37	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/15/24 15:38	03/19/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	111		69 - 147	03/15/24 15:38	03/19/24 14:37	1		

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-6A-W-2

Lab Sample ID: 885-1057-21

Date Collected: 03/11/24 13:38

Matrix: Solid

Date Received: 03/13/24 07:35

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		03/18/24 10:55	03/18/24 14:20	20

Client Sample ID: P5A

Lab Sample ID: 885-1057-22

Date Collected: 03/11/24 13:40

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		03/14/24 12:04	03/18/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/14/24 12:04	03/18/24 18:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 18:39	1
Ethylbenzene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 18:39	1
Toluene	ND		0.049	mg/Kg		03/14/24 12:04	03/18/24 18:39	1
Xylenes, Total	ND		0.097	mg/Kg		03/14/24 12:04	03/18/24 18:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/14/24 12:04	03/18/24 18:39	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.8	mg/Kg		03/15/24 15:38	03/19/24 14:49	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/15/24 15:38	03/19/24 14:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		69 - 147	03/15/24 15:38	03/19/24 14:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		03/18/24 10:55	03/18/24 14:57	20

Client Sample ID: P-4A-W1

Lab Sample ID: 885-1057-23

Date Collected: 03/11/24 13:42

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 12:04	03/18/24 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/14/24 12:04	03/18/24 19:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 12:04	03/18/24 19:03	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 19:03	1
Toluene	ND		0.048	mg/Kg		03/14/24 12:04	03/18/24 19:03	1

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Client Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-4A-W1

Lab Sample ID: 885-1057-23

Date Collected: 03/11/24 13:42

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.096	mg/Kg		03/14/24 12:04	03/18/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146			03/14/24 12:04	03/18/24 19:03	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/15/24 15:38	03/19/24 15:01	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/15/24 15:38	03/19/24 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		69 - 147			03/15/24 15:38	03/19/24 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		03/18/24 10:55	03/18/24 15:34	20

Client Sample ID: P-4A-W2

Lab Sample ID: 885-1057-24

Date Collected: 03/11/24 13:44

Matrix: Solid

Date Received: 03/13/24 07:35

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		03/14/24 15:53	03/16/24 11:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244			03/14/24 15:53	03/16/24 11:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/14/24 15:53	03/16/24 11:29	1
Ethylbenzene	ND		0.048	mg/Kg		03/14/24 15:53	03/16/24 11:29	1
Toluene	ND		0.048	mg/Kg		03/14/24 15:53	03/16/24 11:29	1
Xylenes, Total	ND		0.095	mg/Kg		03/14/24 15:53	03/16/24 11:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146			03/14/24 15:53	03/16/24 11:29	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.4	mg/Kg		03/18/24 10:59	03/18/24 14:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/18/24 10:59	03/18/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		69 - 147			03/18/24 10:59	03/18/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		03/18/24 10:55	03/18/24 19:04	20

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-1676/1-A
Matrix: Solid
Analysis Batch: 1854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1676

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/13/24 17:13	03/15/24 14:22	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			03/13/24 17:13	03/15/24 14:22	1

Lab Sample ID: LCS 885-1676/2-A
Matrix: Solid
Analysis Batch: 1854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.6		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201		15 - 244				

Lab Sample ID: MB 885-1704/1-A
Matrix: Solid
Analysis Batch: 1911

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1704

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/14/24 12:04	03/18/24 10:49	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			03/14/24 12:04	03/18/24 10:49	1

Lab Sample ID: LCS 885-1704/2-A
Matrix: Solid
Analysis Batch: 1911

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	20.4		mg/Kg		82	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	200		15 - 244				

Lab Sample ID: 885-1057-4 MS
Matrix: Solid
Analysis Batch: 1911

Client Sample ID: P-6A
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	18.8		mg/Kg		77	70 - 130

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-1057-4 MS
Matrix: Solid
Analysis Batch: 1911

Client Sample ID: P-6A
Prep Type: Total/NA
Prep Batch: 1704

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	193		15 - 244

Lab Sample ID: 885-1057-4 MSD
Matrix: Solid
Analysis Batch: 1911

Client Sample ID: P-6A
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.5	19.5		mg/Kg		80	70 - 130	4	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	192		15 - 244

Lab Sample ID: MB 885-1739/1-A
Matrix: Solid
Analysis Batch: 1854

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		03/14/24 15:53	03/16/24 02:07	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		15 - 244	03/14/24 15:53	03/16/24 02:07	1

Lab Sample ID: LCS 885-1739/2-A
Matrix: Solid
Analysis Batch: 1854

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	20.6		mg/Kg		83	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	199		15 - 244

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-1676/1-A
Matrix: Solid
Analysis Batch: 1855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1676

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/13/24 17:13	03/15/24 14:22	1
Ethylbenzene	ND		0.050	mg/Kg		03/13/24 17:13	03/15/24 14:22	1
Toluene	ND		0.050	mg/Kg		03/13/24 17:13	03/15/24 14:22	1
Xylenes, Total	ND		0.10	mg/Kg		03/13/24 17:13	03/15/24 14:22	1

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-1676/1-A
Matrix: Solid
Analysis Batch: 1855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1676

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146	03/13/24 17:13	03/15/24 14:22	1

Lab Sample ID: LCS 885-1676/3-A
Matrix: Solid
Analysis Batch: 1855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.892		mg/Kg		89	70 - 130
Ethylbenzene	1.00	0.915		mg/Kg		92	70 - 130
Toluene	1.00	0.911		mg/Kg		91	70 - 130
Xylenes, Total	3.00	2.78		mg/Kg		93	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		39 - 146

Lab Sample ID: MB 885-1704/1-A
Matrix: Solid
Analysis Batch: 1912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1704

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 12:04	03/18/24 10:49	1
Ethylbenzene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 10:49	1
Toluene	ND		0.050	mg/Kg		03/14/24 12:04	03/18/24 10:49	1
Xylenes, Total	ND		0.10	mg/Kg		03/14/24 12:04	03/18/24 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146	03/14/24 12:04	03/18/24 10:49	1

Lab Sample ID: LCS 885-1704/3-A
Matrix: Solid
Analysis Batch: 1912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.899		mg/Kg		90	70 - 130
Ethylbenzene	1.00	0.916		mg/Kg		92	70 - 130
Toluene	1.00	0.904		mg/Kg		90	70 - 130
Xylenes, Total	3.00	2.75		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		39 - 146

Lab Sample ID: 885-1057-5 MS
Matrix: Solid
Analysis Batch: 1912

Client Sample ID: P-8C
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.980	0.843		mg/Kg		86	70 - 130
Ethylbenzene	ND		0.980	0.884		mg/Kg		90	70 - 130

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-1057-5 MS
Matrix: Solid
Analysis Batch: 1912

Client Sample ID: P-8C
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	ND		0.980	0.870		mg/Kg		89	70 - 130
Xylenes, Total	ND		2.94	2.67		mg/Kg		91	70 - 130
Surrogate	%Recovery	MS MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	95		39 - 146						

Lab Sample ID: 885-1057-5 MSD
Matrix: Solid
Analysis Batch: 1912

Client Sample ID: P-8C
Prep Type: Total/NA
Prep Batch: 1704

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.980	0.817		mg/Kg		83	70 - 130	3	20
Ethylbenzene	ND		0.980	0.845		mg/Kg		86	70 - 130	5	20
Toluene	ND		0.980	0.830		mg/Kg		85	70 - 130	5	20
Xylenes, Total	ND		2.94	2.55		mg/Kg		87	70 - 130	4	20
Surrogate	%Recovery	MSD MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	96		39 - 146								

Lab Sample ID: MB 885-1739/1-A
Matrix: Solid
Analysis Batch: 1855

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1739

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/14/24 15:53	03/16/24 02:07	1
Ethylbenzene	ND		0.050	mg/Kg		03/14/24 15:53	03/16/24 02:07	1
Toluene	ND		0.050	mg/Kg		03/14/24 15:53	03/16/24 02:07	1
Xylenes, Total	ND		0.10	mg/Kg		03/14/24 15:53	03/16/24 02:07	1
Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	86		39 - 146	03/14/24 15:53	03/16/24 02:07	1		

Lab Sample ID: LCS 885-1739/3-A
Matrix: Solid
Analysis Batch: 1855

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1739

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.909		mg/Kg		91	70 - 130
Ethylbenzene	1.00	0.931		mg/Kg		93	70 - 130
Toluene	1.00	0.928		mg/Kg		93	70 - 130
Xylenes, Total	3.00	2.80		mg/Kg		93	70 - 130
Surrogate	%Recovery	LCS LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		39 - 146				

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-1721/1-A
Matrix: Solid
Analysis Batch: 1807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1721

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/14/24 13:05	03/15/24 13:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/14/24 13:05	03/15/24 13:05	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		69 - 147			03/14/24 13:05	03/15/24 13:05	1

Lab Sample ID: LCS 885-1721/2-A
Matrix: Solid
Analysis Batch: 1777

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	50.3		mg/Kg		101	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	108		69 - 147				

Lab Sample ID: MB 885-1732/1-A
Matrix: Solid
Analysis Batch: 1807

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1732

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/14/24 14:20	03/15/24 15:43	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/14/24 14:20	03/15/24 15:43	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	119		69 - 147			03/14/24 14:20	03/15/24 15:43	1

Lab Sample ID: LCS 885-1732/2-A
Matrix: Solid
Analysis Batch: 1807

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1732

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.1		mg/Kg		104	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	103		69 - 147				

Lab Sample ID: MB 885-1811/1-A
Matrix: Solid
Analysis Batch: 1993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1811

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/15/24 15:38	03/19/24 10:33	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/15/24 15:38	03/19/24 10:33	1

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QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-1811/1-A
Matrix: Solid
Analysis Batch: 1993

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1811

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Di-n-octyl phthalate (Surr)	107		69 - 147	03/15/24 15:38	03/19/24 10:33	1

Lab Sample ID: LCS 885-1811/2-A
Matrix: Solid
Analysis Batch: 1993

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1811

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Di-n-octyl phthalate (Surr)	107		69 - 147

Lab Sample ID: 885-1057-23 MS
Matrix: Solid
Analysis Batch: 1993

Client Sample ID: P-4A-W1
Prep Type: Total/NA
Prep Batch: 1811

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Di-n-octyl phthalate (Surr)	112		69 - 147

Lab Sample ID: 885-1057-23 MSD
Matrix: Solid
Analysis Batch: 1993

Client Sample ID: P-4A-W1
Prep Type: Total/NA
Prep Batch: 1811

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Di-n-octyl phthalate (Surr)	112		69 - 147

Lab Sample ID: MB 885-1847/1-A
Matrix: Solid
Analysis Batch: 1898

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1847

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/18/24 10:59	03/18/24 14:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/18/24 10:59	03/18/24 14:13	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Di-n-octyl phthalate (Surr)	122		69 - 147	03/18/24 10:59	03/18/24 14:13	1

Eurofins Albuquerque

QC Sample Results

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-1847/2-A
Matrix: Solid
Analysis Batch: 1898

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1847

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.9		mg/Kg		98	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	118		69 - 147				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1823/1-A
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1823

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		03/18/24 08:30	03/18/24 10:04	1

Lab Sample ID: LCS 885-1823/2-A
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1823

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: 885-1057-19 MS
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: P-8C-W2
Prep Type: Total/NA
Prep Batch: 1823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	440		30.2	485	4	mg/Kg		165	50 - 150

Lab Sample ID: 885-1057-19 MSD
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: P-8C-W2
Prep Type: Total/NA
Prep Batch: 1823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	440		29.9	479	4	mg/Kg		147	50 - 150	1	20

Lab Sample ID: 885-1057-20 MS
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: P-6A-W-1
Prep Type: Total/NA
Prep Batch: 1823

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	420		30.1	428	4	mg/Kg		14	50 - 150

Lab Sample ID: 885-1057-20 MSD
Matrix: Solid
Analysis Batch: 1907

Client Sample ID: P-6A-W-1
Prep Type: Total/NA
Prep Batch: 1823

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	420		30.2	443	4	mg/Kg		62	50 - 150	3	20

Eurofins Albuquerque

QC Sample Results

Client: EOG Resources, Inc.
 Project/Site: Roy SWD #3

Job ID: 885-1057-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-1845/1-A
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		03/18/24 10:55	03/18/24 13:56	1

Lab Sample ID: LCS 885-1845/2-A
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.2		mg/Kg		94	90 - 110

Lab Sample ID: 885-1057-21 MS
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: P-6A-W-2
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	240		30.2	266	4	mg/Kg		69	50 - 150

Lab Sample ID: 885-1057-21 MSD
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: P-6A-W-2
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	240		30.2	270	4	mg/Kg		83	50 - 150	2	20

Lab Sample ID: 885-1057-22 MS
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: P5A
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	320		29.8	364	4	mg/Kg		135	50 - 150

Lab Sample ID: 885-1057-22 MSD
 Matrix: Solid
 Analysis Batch: 1909

Client Sample ID: P5A
 Prep Type: Total/NA
 Prep Batch: 1845

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	320		29.8	347	4	mg/Kg		79	50 - 150	5	20

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QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

GC VOA

Prep Batch: 1676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	5030C	
885-1057-2	P-4A	Total/NA	Solid	5030C	
885-1057-3	P-5A	Total/NA	Solid	5030C	
MB 885-1676/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1676/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1676/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 1704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-4	P-6A	Total/NA	Solid	5030C	
885-1057-5	P-8C	Total/NA	Solid	5030C	
885-1057-6	EX-43B	Total/NA	Solid	5030C	
885-1057-7	EX-41A	Total/NA	Solid	5030C	
885-1057-8	EX-40A	Total/NA	Solid	5030C	
885-1057-9	EX-38A	Total/NA	Solid	5030C	
885-1057-10	P-16B	Total/NA	Solid	5030C	
885-1057-11	P-16B-W1	Total/NA	Solid	5030C	
885-1057-12	P-16B-W2	Total/NA	Solid	5030C	
885-1057-13	EX-38A-W1	Total/NA	Solid	5030C	
885-1057-14	EX-38A-W2	Total/NA	Solid	5030C	
885-1057-15	EX-41A-W1	Total/NA	Solid	5030C	
885-1057-16	EX-43B-W1	Total/NA	Solid	5030C	
885-1057-17	EX-43B-W2	Total/NA	Solid	5030C	
885-1057-18	P-8C-W1	Total/NA	Solid	5030C	
885-1057-19	P-8C-W2	Total/NA	Solid	5030C	
885-1057-20	P-6A-W-1	Total/NA	Solid	5030C	
885-1057-21	P-6A-W-2	Total/NA	Solid	5030C	
885-1057-22	P5A	Total/NA	Solid	5030C	
885-1057-23	P-4A-W1	Total/NA	Solid	5030C	
MB 885-1704/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1704/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1704/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-1057-4 MS	P-6A	Total/NA	Solid	5030C	
885-1057-4 MSD	P-6A	Total/NA	Solid	5030C	
885-1057-5 MS	P-8C	Total/NA	Solid	5030C	
885-1057-5 MSD	P-8C	Total/NA	Solid	5030C	

Prep Batch: 1739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-24	P-4A-W2	Total/NA	Solid	5030C	
MB 885-1739/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1739/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1739/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 1854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	8015D	1676
885-1057-2	P-4A	Total/NA	Solid	8015D	1676
885-1057-3	P-5A	Total/NA	Solid	8015D	1676
885-1057-24	P-4A-W2	Total/NA	Solid	8015D	1739
MB 885-1676/1-A	Method Blank	Total/NA	Solid	8015D	1676

Eurofins Albuquerque

QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

GC VOA (Continued)

Analysis Batch: 1854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-1739/1-A	Method Blank	Total/NA	Solid	8015D	1739
LCS 885-1676/2-A	Lab Control Sample	Total/NA	Solid	8015D	1676
LCS 885-1739/2-A	Lab Control Sample	Total/NA	Solid	8015D	1739

Analysis Batch: 1855

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	8021B	1676
885-1057-2	P-4A	Total/NA	Solid	8021B	1676
885-1057-3	P-5A	Total/NA	Solid	8021B	1676
885-1057-24	P-4A-W2	Total/NA	Solid	8021B	1739
MB 885-1676/1-A	Method Blank	Total/NA	Solid	8021B	1676
MB 885-1739/1-A	Method Blank	Total/NA	Solid	8021B	1739
LCS 885-1676/3-A	Lab Control Sample	Total/NA	Solid	8021B	1676
LCS 885-1739/3-A	Lab Control Sample	Total/NA	Solid	8021B	1739

Analysis Batch: 1911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-4	P-6A	Total/NA	Solid	8015D	1704
885-1057-5	P-8C	Total/NA	Solid	8015D	1704
885-1057-6	EX-43B	Total/NA	Solid	8015D	1704
885-1057-7	EX-41A	Total/NA	Solid	8015D	1704
885-1057-8	EX-40A	Total/NA	Solid	8015D	1704
885-1057-9	EX-38A	Total/NA	Solid	8015D	1704
885-1057-10	P-16B	Total/NA	Solid	8015D	1704
885-1057-11	P-16B-W1	Total/NA	Solid	8015D	1704
885-1057-12	P-16B-W2	Total/NA	Solid	8015D	1704
885-1057-13	EX-38A-W1	Total/NA	Solid	8015D	1704
885-1057-14	EX-38A-W2	Total/NA	Solid	8015D	1704
885-1057-15	EX-41A-W1	Total/NA	Solid	8015D	1704
885-1057-16	EX-43B-W1	Total/NA	Solid	8015D	1704
885-1057-17	EX-43B-W2	Total/NA	Solid	8015D	1704
885-1057-18	P-8C-W1	Total/NA	Solid	8015D	1704
885-1057-19	P-8C-W2	Total/NA	Solid	8015D	1704
885-1057-20	P-6A-W-1	Total/NA	Solid	8015D	1704
885-1057-21	P-6A-W-2	Total/NA	Solid	8015D	1704
885-1057-22	P5A	Total/NA	Solid	8015D	1704
885-1057-23	P-4A-W1	Total/NA	Solid	8015D	1704
MB 885-1704/1-A	Method Blank	Total/NA	Solid	8015D	1704
LCS 885-1704/2-A	Lab Control Sample	Total/NA	Solid	8015D	1704
885-1057-4 MS	P-6A	Total/NA	Solid	8015D	1704
885-1057-4 MSD	P-6A	Total/NA	Solid	8015D	1704

Analysis Batch: 1912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-4	P-6A	Total/NA	Solid	8021B	1704
885-1057-5	P-8C	Total/NA	Solid	8021B	1704
885-1057-6	EX-43B	Total/NA	Solid	8021B	1704
885-1057-7	EX-41A	Total/NA	Solid	8021B	1704
885-1057-8	EX-40A	Total/NA	Solid	8021B	1704
885-1057-9	EX-38A	Total/NA	Solid	8021B	1704
885-1057-10	P-16B	Total/NA	Solid	8021B	1704

Eurofins Albuquerque

QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

GC VOA (Continued)

Analysis Batch: 1912 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-11	P-16B-W1	Total/NA	Solid	8021B	1704
885-1057-12	P-16B-W2	Total/NA	Solid	8021B	1704
885-1057-13	EX-38A-W1	Total/NA	Solid	8021B	1704
885-1057-14	EX-38A-W2	Total/NA	Solid	8021B	1704
885-1057-15	EX-41A-W1	Total/NA	Solid	8021B	1704
885-1057-16	EX-43B-W1	Total/NA	Solid	8021B	1704
885-1057-17	EX-43B-W2	Total/NA	Solid	8021B	1704
885-1057-18	P-8C-W1	Total/NA	Solid	8021B	1704
885-1057-19	P-8C-W2	Total/NA	Solid	8021B	1704
885-1057-20	P-6A-W-1	Total/NA	Solid	8021B	1704
885-1057-21	P-6A-W-2	Total/NA	Solid	8021B	1704
885-1057-22	P5A	Total/NA	Solid	8021B	1704
885-1057-23	P-4A-W1	Total/NA	Solid	8021B	1704
MB 885-1704/1-A	Method Blank	Total/NA	Solid	8021B	1704
LCS 885-1704/3-A	Lab Control Sample	Total/NA	Solid	8021B	1704
885-1057-5 MS	P-8C	Total/NA	Solid	8021B	1704
885-1057-5 MSD	P-8C	Total/NA	Solid	8021B	1704

GC Semi VOA

Prep Batch: 1721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	SHAKE	
MB 885-1721/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1721/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 1732

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-2	P-4A	Total/NA	Solid	SHAKE	
885-1057-3	P-5A	Total/NA	Solid	SHAKE	
MB 885-1732/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1732/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 1777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	8015D	1721
LCS 885-1721/2-A	Lab Control Sample	Total/NA	Solid	8015D	1721

Analysis Batch: 1807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-2	P-4A	Total/NA	Solid	8015D	1732
885-1057-3	P-5A	Total/NA	Solid	8015D	1732
MB 885-1721/1-A	Method Blank	Total/NA	Solid	8015D	1721
MB 885-1732/1-A	Method Blank	Total/NA	Solid	8015D	1732
LCS 885-1732/2-A	Lab Control Sample	Total/NA	Solid	8015D	1732

Prep Batch: 1811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-4	P-6A	Total/NA	Solid	SHAKE	
885-1057-5	P-8C	Total/NA	Solid	SHAKE	
885-1057-6	EX-43B	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

GC Semi VOA (Continued)

Prep Batch: 1811 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-7	EX-41A	Total/NA	Solid	SHAKE	
885-1057-8	EX-40A	Total/NA	Solid	SHAKE	
885-1057-9	EX-38A	Total/NA	Solid	SHAKE	
885-1057-10	P-16B	Total/NA	Solid	SHAKE	
885-1057-11	P-16B-W1	Total/NA	Solid	SHAKE	
885-1057-12	P-16B-W2	Total/NA	Solid	SHAKE	
885-1057-13	EX-38A-W1	Total/NA	Solid	SHAKE	
885-1057-14	EX-38A-W2	Total/NA	Solid	SHAKE	
885-1057-15	EX-41A-W1	Total/NA	Solid	SHAKE	
885-1057-16	EX-43B-W1	Total/NA	Solid	SHAKE	
885-1057-17	EX-43B-W2	Total/NA	Solid	SHAKE	
885-1057-18	P-8C-W1	Total/NA	Solid	SHAKE	
885-1057-19	P-8C-W2	Total/NA	Solid	SHAKE	
885-1057-20	P-6A-W-1	Total/NA	Solid	SHAKE	
885-1057-21	P-6A-W-2	Total/NA	Solid	SHAKE	
885-1057-22	P5A	Total/NA	Solid	SHAKE	
885-1057-23	P-4A-W1	Total/NA	Solid	SHAKE	
MB 885-1811/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1811/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-1057-23 MS	P-4A-W1	Total/NA	Solid	SHAKE	
885-1057-23 MSD	P-4A-W1	Total/NA	Solid	SHAKE	

Prep Batch: 1847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-24	P-4A-W2	Total/NA	Solid	SHAKE	
MB 885-1847/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1847/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 1898

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-24	P-4A-W2	Total/NA	Solid	8015D	1847
MB 885-1847/1-A	Method Blank	Total/NA	Solid	8015D	1847
LCS 885-1847/2-A	Lab Control Sample	Total/NA	Solid	8015D	1847

Analysis Batch: 1993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-4	P-6A	Total/NA	Solid	8015D	1811
885-1057-5	P-8C	Total/NA	Solid	8015D	1811
885-1057-6	EX-43B	Total/NA	Solid	8015D	1811
885-1057-7	EX-41A	Total/NA	Solid	8015D	1811
885-1057-8	EX-40A	Total/NA	Solid	8015D	1811
885-1057-9	EX-38A	Total/NA	Solid	8015D	1811
885-1057-10	P-16B	Total/NA	Solid	8015D	1811
885-1057-11	P-16B-W1	Total/NA	Solid	8015D	1811
885-1057-12	P-16B-W2	Total/NA	Solid	8015D	1811
885-1057-13	EX-38A-W1	Total/NA	Solid	8015D	1811
885-1057-14	EX-38A-W2	Total/NA	Solid	8015D	1811
885-1057-15	EX-41A-W1	Total/NA	Solid	8015D	1811
885-1057-16	EX-43B-W1	Total/NA	Solid	8015D	1811
885-1057-17	EX-43B-W2	Total/NA	Solid	8015D	1811
885-1057-18	P-8C-W1	Total/NA	Solid	8015D	1811

Eurofins Albuquerque

QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

GC Semi VOA (Continued)

Analysis Batch: 1993 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-19	P-8C-W2	Total/NA	Solid	8015D	1811
885-1057-20	P-6A-W-1	Total/NA	Solid	8015D	1811
885-1057-21	P-6A-W-2	Total/NA	Solid	8015D	1811
885-1057-22	P5A	Total/NA	Solid	8015D	1811
885-1057-23	P-4A-W1	Total/NA	Solid	8015D	1811
MB 885-1811/1-A	Method Blank	Total/NA	Solid	8015D	1811
LCS 885-1811/2-A	Lab Control Sample	Total/NA	Solid	8015D	1811
885-1057-23 MS	P-4A-W1	Total/NA	Solid	8015D	1811
885-1057-23 MSD	P-4A-W1	Total/NA	Solid	8015D	1811

HPLC/IC

Prep Batch: 1823

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	300_Prep	
885-1057-2	P-4A	Total/NA	Solid	300_Prep	
885-1057-3	P-5A	Total/NA	Solid	300_Prep	
885-1057-4	P-6A	Total/NA	Solid	300_Prep	
885-1057-5	P-8C	Total/NA	Solid	300_Prep	
885-1057-6	EX-43B	Total/NA	Solid	300_Prep	
885-1057-7	EX-41A	Total/NA	Solid	300_Prep	
885-1057-8	EX-40A	Total/NA	Solid	300_Prep	
885-1057-9	EX-38A	Total/NA	Solid	300_Prep	
885-1057-10	P-16B	Total/NA	Solid	300_Prep	
885-1057-11	P-16B-W1	Total/NA	Solid	300_Prep	
885-1057-12	P-16B-W2	Total/NA	Solid	300_Prep	
885-1057-13	EX-38A-W1	Total/NA	Solid	300_Prep	
885-1057-14	EX-38A-W2	Total/NA	Solid	300_Prep	
885-1057-15	EX-41A-W1	Total/NA	Solid	300_Prep	
885-1057-16	EX-43B-W1	Total/NA	Solid	300_Prep	
885-1057-17	EX-43B-W2	Total/NA	Solid	300_Prep	
885-1057-18	P-8C-W1	Total/NA	Solid	300_Prep	
885-1057-19	P-8C-W2	Total/NA	Solid	300_Prep	
885-1057-20	P-6A-W-1	Total/NA	Solid	300_Prep	
MB 885-1823/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1823/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-1057-19 MS	P-8C-W2	Total/NA	Solid	300_Prep	
885-1057-19 MSD	P-8C-W2	Total/NA	Solid	300_Prep	
885-1057-20 MS	P-6A-W-1	Total/NA	Solid	300_Prep	
885-1057-20 MSD	P-6A-W-1	Total/NA	Solid	300_Prep	

Prep Batch: 1845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-21	P-6A-W-2	Total/NA	Solid	300_Prep	
885-1057-22	P5A	Total/NA	Solid	300_Prep	
885-1057-23	P-4A-W1	Total/NA	Solid	300_Prep	
885-1057-24	P-4A-W2	Total/NA	Solid	300_Prep	
MB 885-1845/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1845/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-1057-21 MS	P-6A-W-2	Total/NA	Solid	300_Prep	
885-1057-21 MSD	P-6A-W-2	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

HPLC/IC (Continued)

Prep Batch: 1845 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-22 MS	P5A	Total/NA	Solid	300_Prep	
885-1057-22 MSD	P5A	Total/NA	Solid	300_Prep	

Analysis Batch: 1907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-1	P-2B	Total/NA	Solid	300.0	1823
885-1057-2	P-4A	Total/NA	Solid	300.0	1823
885-1057-3	P-5A	Total/NA	Solid	300.0	1823
885-1057-4	P-6A	Total/NA	Solid	300.0	1823
885-1057-5	P-8C	Total/NA	Solid	300.0	1823
885-1057-6	EX-43B	Total/NA	Solid	300.0	1823
885-1057-7	EX-41A	Total/NA	Solid	300.0	1823
885-1057-8	EX-40A	Total/NA	Solid	300.0	1823
885-1057-9	EX-38A	Total/NA	Solid	300.0	1823
885-1057-10	P-16B	Total/NA	Solid	300.0	1823
885-1057-11	P-16B-W1	Total/NA	Solid	300.0	1823
885-1057-12	P-16B-W2	Total/NA	Solid	300.0	1823
885-1057-13	EX-38A-W1	Total/NA	Solid	300.0	1823
885-1057-14	EX-38A-W2	Total/NA	Solid	300.0	1823
885-1057-15	EX-41A-W1	Total/NA	Solid	300.0	1823
885-1057-16	EX-43B-W1	Total/NA	Solid	300.0	1823
885-1057-17	EX-43B-W2	Total/NA	Solid	300.0	1823
885-1057-18	P-8C-W1	Total/NA	Solid	300.0	1823
885-1057-19	P-8C-W2	Total/NA	Solid	300.0	1823
885-1057-20	P-6A-W-1	Total/NA	Solid	300.0	1823
MB 885-1823/1-A	Method Blank	Total/NA	Solid	300.0	1823
LCS 885-1823/2-A	Lab Control Sample	Total/NA	Solid	300.0	1823
885-1057-19 MS	P-8C-W2	Total/NA	Solid	300.0	1823
885-1057-19 MSD	P-8C-W2	Total/NA	Solid	300.0	1823
885-1057-20 MS	P-6A-W-1	Total/NA	Solid	300.0	1823
885-1057-20 MSD	P-6A-W-1	Total/NA	Solid	300.0	1823

Analysis Batch: 1909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-1057-21	P-6A-W-2	Total/NA	Solid	300.0	1845
885-1057-22	P5A	Total/NA	Solid	300.0	1845
885-1057-23	P-4A-W1	Total/NA	Solid	300.0	1845
885-1057-24	P-4A-W2	Total/NA	Solid	300.0	1845
MB 885-1845/1-A	Method Blank	Total/NA	Solid	300.0	1845
LCS 885-1845/2-A	Lab Control Sample	Total/NA	Solid	300.0	1845
885-1057-21 MS	P-6A-W-2	Total/NA	Solid	300.0	1845
885-1057-21 MSD	P-6A-W-2	Total/NA	Solid	300.0	1845
885-1057-22 MS	P5A	Total/NA	Solid	300.0	1845
885-1057-22 MSD	P5A	Total/NA	Solid	300.0	1845

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
 Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-2B

Lab Sample ID: 885-1057-1

Date Collected: 03/11/24 09:00

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8015D		1	1854	JP	EET ALB	03/15/24 17:07
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8021B		1	1855	JP	EET ALB	03/15/24 17:07
Total/NA	Prep	SHAKE			1721	JU	EET ALB	03/14/24 13:05
Total/NA	Analysis	8015D		1	1777	JU	EET ALB	03/14/24 21:05
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 10:29

Client Sample ID: P-4A

Lab Sample ID: 885-1057-2

Date Collected: 03/11/24 09:10

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8015D		1	1854	JP	EET ALB	03/15/24 17:31
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8021B		1	1855	JP	EET ALB	03/15/24 17:31
Total/NA	Prep	SHAKE			1732	SB	EET ALB	03/14/24 14:20
Total/NA	Analysis	8015D		1	1807	JU	EET ALB	03/16/24 00:44
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 10:41

Client Sample ID: P-5A

Lab Sample ID: 885-1057-3

Date Collected: 03/11/24 09:12

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8015D		1	1854	JP	EET ALB	03/15/24 18:41
Total/NA	Prep	5030C			1676	IMR	EET ALB	03/13/24 17:13
Total/NA	Analysis	8021B		1	1855	JP	EET ALB	03/15/24 18:41
Total/NA	Prep	SHAKE			1732	SB	EET ALB	03/14/24 14:20
Total/NA	Analysis	8015D		1	1807	JU	EET ALB	03/16/24 01:08
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 10:54

Client Sample ID: P-6A

Lab Sample ID: 885-1057-4

Date Collected: 03/11/24 09:14

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 11:12

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
 Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-6A

Lab Sample ID: 885-1057-4

Date Collected: 03/11/24 09:14

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 11:12
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 10:57
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 11:06

Client Sample ID: P-8C

Lab Sample ID: 885-1057-5

Date Collected: 03/11/24 09:20

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 11:36
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 11:36
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 11:09
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 11:18

Client Sample ID: EX-43B

Lab Sample ID: 885-1057-6

Date Collected: 03/11/24 09:22

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 12:00
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 12:00
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 11:21
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 11:31

Client Sample ID: EX-41A

Lab Sample ID: 885-1057-7

Date Collected: 03/11/24 09:24

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 12:23
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 12:23

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-41A

Lab Sample ID: 885-1057-7

Date Collected: 03/11/24 09:24

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 11:33
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 11:43

Client Sample ID: EX-40A

Lab Sample ID: 885-1057-8

Date Collected: 03/11/24 10:00

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 12:47
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 12:47
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 11:45
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 11:56

Client Sample ID: EX-38A

Lab Sample ID: 885-1057-9

Date Collected: 03/11/24 10:02

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 13:10
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 13:10
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 11:57
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 12:33

Client Sample ID: P-16B

Lab Sample ID: 885-1057-10

Date Collected: 03/11/24 10:04

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 13:34
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 13:34
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 12:10

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-16B
Date Collected: 03/11/24 10:04
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 12:45

Client Sample ID: P-16B-W1
Date Collected: 03/11/24 13:02
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 13:57
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 13:57
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 12:22
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 12:57

Client Sample ID: P-16B-W2
Date Collected: 03/11/24 13:04
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 14:21
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 14:21
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 12:34
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 13:10

Client Sample ID: EX-38A-W1
Date Collected: 03/11/24 13:06
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 14:45
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 14:45
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 12:59
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 13:22

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
 Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-38A-W2

Lab Sample ID: 885-1057-14

Date Collected: 03/11/24 13:08

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 15:32
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 15:32
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 13:11
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 13:34

Client Sample ID: EX-41A-W1

Lab Sample ID: 885-1057-15

Date Collected: 03/11/24 13:10

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 15:55
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 15:55
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 13:23
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 13:47

Client Sample ID: EX-43B-W1

Lab Sample ID: 885-1057-16

Date Collected: 03/11/24 13:12

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 16:19
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 16:19
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 13:36
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 13:59

Client Sample ID: EX-43B-W2

Lab Sample ID: 885-1057-17

Date Collected: 03/11/24 13:30

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 16:42

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: EX-43B-W2

Lab Sample ID: 885-1057-17

Date Collected: 03/11/24 13:30

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 16:42
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 13:48
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 14:11

Client Sample ID: P-8C-W1

Lab Sample ID: 885-1057-18

Date Collected: 03/11/24 13:32

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 17:06
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 17:06
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 14:00
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 14:24

Client Sample ID: P-8C-W2

Lab Sample ID: 885-1057-19

Date Collected: 03/11/24 13:34

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 17:29
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 17:29
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 14:12
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 15:01

Client Sample ID: P-6A-W-1

Lab Sample ID: 885-1057-20

Date Collected: 03/11/24 13:36

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 17:52
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 17:52

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-6A-W-1

Lab Sample ID: 885-1057-20

Date Collected: 03/11/24 13:36

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 14:25
Total/NA	Prep	300_Prep			1823	JT	EET ALB	03/18/24 08:30
Total/NA	Analysis	300.0		20	1907	KB	EET ALB	03/18/24 15:38

Client Sample ID: P-6A-W-2

Lab Sample ID: 885-1057-21

Date Collected: 03/11/24 13:38

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 18:16
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 18:16
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 14:37
Total/NA	Prep	300_Prep			1845	JT	EET ALB	03/18/24 10:55
Total/NA	Analysis	300.0		20	1909	KB	EET ALB	03/18/24 14:20

Client Sample ID: P5A

Lab Sample ID: 885-1057-22

Date Collected: 03/11/24 13:40

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 18:39
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 18:39
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 14:49
Total/NA	Prep	300_Prep			1845	JT	EET ALB	03/18/24 10:55
Total/NA	Analysis	300.0		20	1909	KB	EET ALB	03/18/24 14:57

Client Sample ID: P-4A-W1

Lab Sample ID: 885-1057-23

Date Collected: 03/11/24 13:42

Matrix: Solid

Date Received: 03/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8015D		1	1911	JP	EET ALB	03/18/24 19:03
Total/NA	Prep	5030C			1704	JP	EET ALB	03/14/24 12:04
Total/NA	Analysis	8021B		1	1912	JP	EET ALB	03/18/24 19:03
Total/NA	Prep	SHAKE			1811	SB	EET ALB	03/15/24 15:38
Total/NA	Analysis	8015D		1	1993	JU	EET ALB	03/19/24 15:01

Eurofins Albuquerque

Lab Chronicle

Client: EOG Resources, Inc.
 Project/Site: Roy SWD #3

Job ID: 885-1057-1

Client Sample ID: P-4A-W1
Date Collected: 03/11/24 13:42
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			1845	JT	EET ALB	03/18/24 10:55
Total/NA	Analysis	300.0		20	1909	KB	EET ALB	03/18/24 15:34

Client Sample ID: P-4A-W2
Date Collected: 03/11/24 13:44
Date Received: 03/13/24 07:35

Lab Sample ID: 885-1057-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1739	JP	EET ALB	03/14/24 15:53
Total/NA	Analysis	8015D		1	1854	JP	EET ALB	03/16/24 11:29
Total/NA	Prep	5030C			1739	JP	EET ALB	03/14/24 15:53
Total/NA	Analysis	8021B		1	1855	JP	EET ALB	03/16/24 11:29
Total/NA	Prep	SHAKE			1847	JU	EET ALB	03/18/24 10:59
Total/NA	Analysis	8015D		1	1898	JU	EET ALB	03/18/24 14:37
Total/NA	Prep	300_Prep			1845	JT	EET ALB	03/18/24 10:55
Total/NA	Analysis	300.0		20	1909	KB	EET ALB	03/18/24 19:04

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: EOG Resources, Inc.
Project/Site: Roy SWD #3

Job ID: 885-1057-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Mexico	State	NM9425, NM0901	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total



Login Sample Receipt Checklist

Client: EOG Resources, Inc.

Job Number: 885-1057-1

Login Number: 1057

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 4/26/2024 4:27:31 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-3108-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-3108-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-3108-1

Job ID: 885-3108-1

Eurofins Albuquerque

Job Narrative 885-3108-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/19/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-3793 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples that have Di-n-octyl phthalate (surrogate) recovery in are still being reported. The following samples are associated PWA-9 (885-3108-9), PWA-10 (885-3108-10), PBA-1 (885-3108-11), PBA-2 (885-3108-12), PBA-3 (885-3108-13), PBA-4 (885-3108-14), PBA-5 (885-3108-15), PBA-6 (885-3108-16), PBA-7 (885-3108-17), PBA-8 (885-3108-18), PBA-9 (885-3108-19), PBA-10 (885-3108-20), PBA-11 (885-3108-21), PBA-12 (885-3108-22), PBA-13 (885-3108-23), PBA-14 (885-3108-24), PBA-15 (885-3108-25), P-2B-W1 (885-3108-26), P-2B-W2 (885-3108-27), P-2B-W3 (885-3108-28), (CCV 885-3793/1), (CCV 885-3793/2), (CCV 885-3793/27), (LCS 885-3678/2-A), (MB 885-3678/1-A), (885-3108-A-28-C MS) and (885-3108-A-28-D MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-1

Lab Sample ID: 885-3108-1

Date Collected: 04/17/24 09:40

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 10:55	04/22/24 15:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		39 - 146			04/19/24 10:55	04/22/24 15:11	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/19/24 13:29	04/22/24 14:02	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/19/24 13:29	04/22/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			04/19/24 13:29	04/22/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		59	mg/Kg		04/22/24 14:40	04/23/24 17:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-2

Lab Sample ID: 885-3108-2

Date Collected: 04/17/24 09:44

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 10:55	04/22/24 15:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		39 - 146			04/19/24 10:55	04/22/24 15:35	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/19/24 13:29	04/22/24 14:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/19/24 13:29	04/22/24 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			04/19/24 13:29	04/22/24 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		04/22/24 14:40	04/23/24 17:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-3

Lab Sample ID: 885-3108-3

Date Collected: 04/17/24 09:46

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 244			04/19/24 10:55	04/22/24 15:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/22/24 15:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		04/19/24 13:29	04/22/24 16:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/19/24 13:29	04/22/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			04/19/24 13:29	04/22/24 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		59	mg/Kg		04/22/24 14:40	04/23/24 17:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		15 - 244			04/19/24 10:55	04/22/24 16:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 10:55	04/22/24 16:23	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		04/19/24 13:29	04/22/24 17:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 13:29	04/22/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	68		62 - 134			04/19/24 13:29	04/22/24 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 14:40	04/23/24 17:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-5

Lab Sample ID: 885-3108-5

Date Collected: 04/17/24 09:52

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		15 - 244			04/19/24 10:55	04/22/24 17:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/23/24 16:10	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/19/24 14:28	04/22/24 17:19	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/19/24 14:28	04/22/24 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	71		62 - 134			04/19/24 14:28	04/22/24 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 14:40	04/23/24 18:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-6

Lab Sample ID: 885-3108-6

Date Collected: 04/17/24 09:56

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 244			04/19/24 10:55	04/22/24 17:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/23/24 16:32	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			04/19/24 14:28	04/22/24 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 14:40	04/23/24 18:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 244			04/19/24 10:55	04/22/24 18:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 10:55	04/23/24 16:54	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	76		62 - 134			04/19/24 14:28	04/22/24 17:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		04/22/24 16:51	04/23/24 19:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-8

Lab Sample ID: 885-3108-8

Date Collected: 04/17/24 10:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			04/19/24 10:55	04/22/24 18:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 10:55	04/23/24 17:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	76		62 - 134			04/19/24 14:28	04/22/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 16:51	04/23/24 20:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-9

Lab Sample ID: 885-3108-9

Date Collected: 04/17/24 10:06

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/23/24 20:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 20:17	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/22/24 13:39	04/23/24 11:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/23/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	110		62 - 134			04/22/24 13:39	04/23/24 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		04/22/24 16:51	04/23/24 20:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 21:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 21:25	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/22/24 13:39	04/23/24 11:56	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/23/24 11:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	122		62 - 134			04/22/24 13:39	04/23/24 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		60	mg/Kg		04/22/24 16:51	04/23/24 21:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-1
Date Collected: 04/17/24 12:00
Date Received: 04/19/24 07:30

Lab Sample ID: 885-3108-11
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 22:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Ethylbenzene	ND		0.047	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Toluene	ND		0.047	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Xylenes, Total	ND		0.095	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/23/24 22:33	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 12:09	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	74		62 - 134			04/22/24 13:39	04/23/24 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		04/22/24 16:51	04/23/24 21:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-2

Lab Sample ID: 885-3108-12

Date Collected: 04/17/24 12:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/23/24 22:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 22:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 12:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/23/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			04/22/24 13:39	04/23/24 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		04/22/24 16:51	04/23/24 21:25	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-3

Lab Sample ID: 885-3108-13

Date Collected: 04/17/24 12:04

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			04/19/24 15:29	04/23/24 23:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/23/24 23:18	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		04/22/24 13:39	04/23/24 12:34	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/22/24 13:39	04/23/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	85		62 - 134			04/22/24 13:39	04/23/24 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		04/22/24 16:51	04/23/24 22:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-4

Lab Sample ID: 885-3108-14

Date Collected: 04/17/24 12:08

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 23:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 23:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 20:16	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			04/22/24 13:39	04/23/24 20:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 22:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-5

Lab Sample ID: 885-3108-15

Date Collected: 04/17/24 12:14

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 15:29	04/24/24 00:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 00:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/23/24 20:40	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/22/24 13:39	04/23/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			04/22/24 13:39	04/23/24 20:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		04/22/24 16:51	04/23/24 22:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-6

Lab Sample ID: 885-3108-16

Date Collected: 04/17/24 12:16

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 00:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 00:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 21:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			04/22/24 13:39	04/23/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		04/22/24 16:51	04/23/24 22:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 00:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Ethylbenzene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Toluene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Xylenes, Total	ND		0.092	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 00:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/22/24 13:39	04/23/24 13:25	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		04/22/24 13:39	04/23/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	114		62 - 134			04/22/24 13:39	04/23/24 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 22:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-8

Lab Sample ID: 885-3108-18

Date Collected: 04/17/24 12:30

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			04/19/24 15:29	04/24/24 01:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 01:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/22/24 13:39	04/23/24 21:29	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		04/22/24 13:39	04/23/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	118		62 - 134			04/22/24 13:39	04/23/24 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 23:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-9

Lab Sample ID: 885-3108-19

Date Collected: 04/17/24 12:32

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 01:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 01:57	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 21:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 21:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	103		62 - 134			04/22/24 13:39	04/23/24 21:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 16:51	04/23/24 23:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 02:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 02:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		10	mg/Kg		04/22/24 13:39	04/23/24 22:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 22:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	115		62 - 134			04/22/24 13:39	04/23/24 22:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		04/22/24 16:51	04/23/24 23:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-11

Lab Sample ID: 885-3108-21

Date Collected: 04/17/24 12:40

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/24/24 02:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Ethylbenzene	ND		0.047	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Toluene	ND		0.047	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Xylenes, Total	ND		0.094	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 02:42	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		04/22/24 13:39	04/23/24 22:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/22/24 13:39	04/23/24 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			04/22/24 13:39	04/23/24 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 23:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-12

Lab Sample ID: 885-3108-22

Date Collected: 04/17/24 12:48

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 03:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 03:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 23:07	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 23:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			04/22/24 13:39	04/23/24 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		04/22/24 16:51	04/23/24 23:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-13

Lab Sample ID: 885-3108-23

Date Collected: 04/17/24 12:54

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 03:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 03:27	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		04/22/24 13:39	04/23/24 23:55	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		04/22/24 13:39	04/23/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			04/22/24 13:39	04/23/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/24/24 00:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-14

Lab Sample ID: 885-3108-24

Date Collected: 04/17/24 13:00

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 03:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 03:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/24/24 00:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/24/24 00:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			04/22/24 13:39	04/24/24 00:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 16:51	04/24/24 00:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-15

Lab Sample ID: 885-3108-25

Date Collected: 04/17/24 13:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/24/24 04:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Ethylbenzene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Toluene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Xylenes, Total	ND		0.093	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 15:29	04/24/24 04:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/24/24 00:44	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			04/22/24 13:39	04/24/24 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		04/22/24 16:51	04/24/24 00:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W1

Lab Sample ID: 885-3108-26

Date Collected: 04/17/24 13:10

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		15 - 244			04/19/24 15:29	04/24/24 04:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		39 - 146			04/19/24 15:29	04/24/24 04:34	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/24/24 01:08	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			04/22/24 13:39	04/24/24 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		04/22/24 16:51	04/24/24 01:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W2

Lab Sample ID: 885-3108-27

Date Collected: 04/17/24 13:12

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 04:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 15:29	04/24/24 04:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		04/22/24 13:39	04/24/24 01:33	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		04/22/24 13:39	04/24/24 01:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			04/22/24 13:39	04/24/24 01:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/23/24 16:44	04/24/24 09:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W3

Lab Sample ID: 885-3108-28

Date Collected: 04/17/24 13:14

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			04/19/24 15:29	04/24/24 05:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 05:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/22/24 13:39	04/24/24 01:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			04/22/24 13:39	04/24/24 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		04/23/24 16:44	04/24/24 09:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: R-2A-W3

Lab Sample ID: 885-3108-29

Date Collected: 04/17/24 13:16

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 244			04/23/24 13:42	04/24/24 16:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Ethylbenzene	ND		0.049	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Toluene	ND		0.049	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Xylenes, Total	ND		0.099	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			04/23/24 13:42	04/24/24 16:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/23/24 15:26	04/24/24 19:04	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		04/23/24 15:26	04/24/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			04/23/24 15:26	04/24/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		60	mg/Kg		04/24/24 14:12	04/24/24 16:51	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-3584/1-A
Matrix: Solid
Analysis Batch: 3729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3584

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			04/19/24 10:55	04/22/24 12:26	1

Lab Sample ID: LCS 885-3584/2-A
Matrix: Solid
Analysis Batch: 3729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	211		15 - 244				

Lab Sample ID: MB 885-3603/1-A
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3603

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 19:55	1

Lab Sample ID: LCS 885-3603/2-A
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.1		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	230		15 - 244				

Lab Sample ID: 885-3108-9 MS
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: PWA-9
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.4	23.7		mg/Kg		97	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-3108-9 MS
 Matrix: Solid
 Analysis Batch: 3801

Client Sample ID: PWA-9
 Prep Type: Total/NA
 Prep Batch: 3603

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	230		15 - 244

Lab Sample ID: 885-3108-9 MSD
 Matrix: Solid
 Analysis Batch: 3801

Client Sample ID: PWA-9
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.5	24.8		mg/Kg		101	70 - 130	5	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	233		15 - 244

Lab Sample ID: MB 885-3757/1-A
 Matrix: Solid
 Analysis Batch: 3868

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3757

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/23/24 13:42	04/24/24 14:20	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 244	04/23/24 13:42	04/24/24 14:20	1

Lab Sample ID: LCS 885-3757/2-A
 Matrix: Solid
 Analysis Batch: 3868

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.9		mg/Kg		96	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	199		15 - 244

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-3584/1-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3584

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 10:55	04/22/24 12:26	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-3584/1-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3584

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		39 - 146	04/19/24 10:55	04/22/24 12:26	1

Lab Sample ID: LCS 885-3584/3-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Benzene	1.00	0.788		mg/Kg		79	70 - 130	
Ethylbenzene	1.00	0.808		mg/Kg		81	70 - 130	
Toluene	1.00	0.803		mg/Kg		80	70 - 130	
m,p-Xylene	2.00	1.65		mg/Kg		82	70 - 130	
o-Xylene	1.00	0.797		mg/Kg		80	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		39 - 146

Lab Sample ID: MB 885-3603/1-A
 Matrix: Solid
 Analysis Batch: 3804

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	MB MB Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 15:29	04/23/24 19:55	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146	04/19/24 15:29	04/23/24 19:55	1

Lab Sample ID: LCS 885-3603/3-A
 Matrix: Solid
 Analysis Batch: 3804

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Benzene	1.00	0.942		mg/Kg		94	70 - 130	
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130	
Toluene	1.00	0.940		mg/Kg		94	70 - 130	
m,p-Xylene	2.00	1.92		mg/Kg		96	70 - 130	
o-Xylene	1.00	0.973		mg/Kg		97	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		39 - 146

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-3108-10 MS
Matrix: Solid
Analysis Batch: 3804

Client Sample ID: PWA-10
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.985	0.943		mg/Kg		96		70 - 130	
Ethylbenzene	ND		0.985	0.980		mg/Kg		100		70 - 130	
Toluene	ND		0.985	0.955		mg/Kg		97		70 - 130	
m,p-Xylene	ND		1.97	1.97		mg/Kg		100		70 - 130	
o-Xylene	ND		0.985	0.991		mg/Kg		101		70 - 130	
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	88		39 - 146								

Lab Sample ID: 885-3108-10 MSD
Matrix: Solid
Analysis Batch: 3804

Client Sample ID: PWA-10
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	ND		0.987	0.918		mg/Kg		93		70 - 130	3	20
Ethylbenzene	ND		0.987	0.955		mg/Kg		97		70 - 130	3	20
Toluene	ND		0.987	0.924		mg/Kg		94		70 - 130	3	20
m,p-Xylene	ND		1.97	1.91		mg/Kg		97		70 - 130	3	20
o-Xylene	ND		0.987	0.960		mg/Kg		97		70 - 130	3	20
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	89		39 - 146									

Lab Sample ID: MB 885-3757/1-A
Matrix: Solid
Analysis Batch: 3869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3757

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier							
Benzene	ND		0.025	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Ethylbenzene	ND		0.050	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Toluene	ND		0.050	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Xylenes, Total	ND		0.10	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		39 - 146	04/23/24 13:42	04/24/24 14:20	1			

Lab Sample ID: LCS 885-3757/3-A
Matrix: Solid
Analysis Batch: 3869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3757

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Benzene	1.00	0.962		mg/Kg		96		70 - 130
Ethylbenzene	1.00	0.937		mg/Kg		94		70 - 130
Toluene	1.00	0.920		mg/Kg		92		70 - 130
m,p-Xylene	2.00	1.92		mg/Kg		96		70 - 130
o-Xylene	1.00	0.941		mg/Kg		94		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-3757/3-A
 Matrix: Solid
 Analysis Batch: 3869

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3757

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		39 - 146

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-3596/1-A
 Matrix: Solid
 Analysis Batch: 3704

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3596

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/19/24 13:29	04/22/24 11:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/19/24 13:29	04/22/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134	04/19/24 13:29	04/22/24 11:18	1

Lab Sample ID: LCS 885-3596/2-A
 Matrix: Solid
 Analysis Batch: 3704

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.7		mg/Kg		99	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	102		62 - 134

Lab Sample ID: MB 885-3678/1-A
 Matrix: Solid
 Analysis Batch: 3793

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3678

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 11:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	125		62 - 134	04/22/24 13:39	04/23/24 11:18	1

Lab Sample ID: LCS 885-3678/2-A
 Matrix: Solid
 Analysis Batch: 3793

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	59.3		mg/Kg		119	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	119		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-3108-28 MS
Matrix: Solid
Analysis Batch: 3794

Client Sample ID: P-2B-W3
Prep Type: Total/NA
Prep Batch: 3678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		47.4	60.4		mg/Kg		127	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
<i>Di-n-octyl phthalate (Surr)</i>	82		62 - 134							

Lab Sample ID: 885-3108-28 MSD
Matrix: Solid
Analysis Batch: 3794

Client Sample ID: P-2B-W3
Prep Type: Total/NA
Prep Batch: 3678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.0	49.4		mg/Kg		103	44 - 136	20	32
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
<i>Di-n-octyl phthalate (Surr)</i>	69		62 - 134								

Lab Sample ID: MB 885-3768/1-A
Matrix: Solid
Analysis Batch: 3832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3768

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/23/24 15:26	04/24/24 18:41	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/23/24 15:26	04/24/24 18:41	1	
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
<i>Di-n-octyl phthalate (Surr)</i>	93		62 - 134	04/23/24 15:26	04/24/24 18:41	1			

Lab Sample ID: LCS 885-3768/2-A
Matrix: Solid
Analysis Batch: 3832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.8		mg/Kg		98	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>Di-n-octyl phthalate (Surr)</i>	85		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3708/1-A
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3708

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/22/24 16:51	04/23/24 18:44	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3708/2-A
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.7		mg/Kg		98	90 - 110

Lab Sample ID: 885-3108-7 MS
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: PWA-7
 Prep Type: Total/NA
 Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	270		30.0	295	4	mg/Kg		82	50 - 150

Lab Sample ID: 885-3108-7 MSD
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: PWA-7
 Prep Type: Total/NA
 Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	270		30.0	305	4	mg/Kg		115	50 - 150	3	20

Lab Sample ID: 885-3108-8 MS
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: PWA-8
 Prep Type: Total/NA
 Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250		30.1	291	4	mg/Kg		142	50 - 150

Lab Sample ID: 885-3108-8 MSD
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: PWA-8
 Prep Type: Total/NA
 Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250		30.1	305	4	mg/Kg		189	50 - 150	5	20

Lab Sample ID: MB 885-3774/1-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3774

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/23/24 16:44	04/24/24 08:44	1

Lab Sample ID: LCS 885-3774/2-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	13.9		mg/Kg		93	90 - 110

Lab Sample ID: 885-3108-27 MS
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: P-2B-W2
 Prep Type: Total/NA
 Prep Batch: 3774

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	300		29.8	349	4	mg/Kg		158	50 - 150

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-3108-27 MSD
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: P-2B-W2
 Prep Type: Total/NA
 Prep Batch: 3774

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	300		30.1	329	4	mg/Kg		89	50 - 150	6	20

Lab Sample ID: MB 885-3787/4
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			04/23/24 08:45	1

Lab Sample ID: MRL 885-3787/3
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.552		mg/L		110	50 - 150

Lab Sample ID: MB 885-3838/1-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3838

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/24/24 14:12	04/24/24 16:14	1

Lab Sample ID: LCS 885-3838/2-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	13.9		mg/Kg		93	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA

Prep Batch: 3584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	5030C	
885-3108-2	PWA-2	Total/NA	Solid	5030C	
885-3108-3	PWA-3	Total/NA	Solid	5030C	
885-3108-4	PWA-4	Total/NA	Solid	5030C	
885-3108-5	PWA-5	Total/NA	Solid	5030C	
885-3108-6	PWA-6	Total/NA	Solid	5030C	
885-3108-7	PWA-7	Total/NA	Solid	5030C	
885-3108-8	PWA-8	Total/NA	Solid	5030C	
MB 885-3584/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3584/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3584/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 3603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	5030C	
885-3108-10	PWA-10	Total/NA	Solid	5030C	
885-3108-11	PBA-1	Total/NA	Solid	5030C	
885-3108-12	PBA-2	Total/NA	Solid	5030C	
885-3108-13	PBA-3	Total/NA	Solid	5030C	
885-3108-14	PBA-4	Total/NA	Solid	5030C	
885-3108-15	PBA-5	Total/NA	Solid	5030C	
885-3108-16	PBA-6	Total/NA	Solid	5030C	
885-3108-17	PBA-7	Total/NA	Solid	5030C	
885-3108-18	PBA-8	Total/NA	Solid	5030C	
885-3108-19	PBA-9	Total/NA	Solid	5030C	
885-3108-20	PBA-10	Total/NA	Solid	5030C	
885-3108-21	PBA-11	Total/NA	Solid	5030C	
885-3108-22	PBA-12	Total/NA	Solid	5030C	
885-3108-23	PBA-13	Total/NA	Solid	5030C	
885-3108-24	PBA-14	Total/NA	Solid	5030C	
885-3108-25	PBA-15	Total/NA	Solid	5030C	
885-3108-26	P-2B-W1	Total/NA	Solid	5030C	
885-3108-27	P-2B-W2	Total/NA	Solid	5030C	
885-3108-28	P-2B-W3	Total/NA	Solid	5030C	
MB 885-3603/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3603/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3603/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-3108-9 MS	PWA-9	Total/NA	Solid	5030C	
885-3108-9 MSD	PWA-9	Total/NA	Solid	5030C	
885-3108-10 MS	PWA-10	Total/NA	Solid	5030C	
885-3108-10 MSD	PWA-10	Total/NA	Solid	5030C	

Analysis Batch: 3729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8015D	3584
885-3108-2	PWA-2	Total/NA	Solid	8015D	3584
885-3108-3	PWA-3	Total/NA	Solid	8015D	3584
885-3108-4	PWA-4	Total/NA	Solid	8015D	3584
885-3108-5	PWA-5	Total/NA	Solid	8015D	3584
885-3108-6	PWA-6	Total/NA	Solid	8015D	3584
885-3108-7	PWA-7	Total/NA	Solid	8015D	3584

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA (Continued)

Analysis Batch: 3729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-8	PWA-8	Total/NA	Solid	8015D	3584
MB 885-3584/1-A	Method Blank	Total/NA	Solid	8015D	3584
LCS 885-3584/2-A	Lab Control Sample	Total/NA	Solid	8015D	3584

Analysis Batch: 3730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8021B	3584
885-3108-2	PWA-2	Total/NA	Solid	8021B	3584
885-3108-3	PWA-3	Total/NA	Solid	8021B	3584
885-3108-4	PWA-4	Total/NA	Solid	8021B	3584
MB 885-3584/1-A	Method Blank	Total/NA	Solid	8021B	3584
LCS 885-3584/3-A	Lab Control Sample	Total/NA	Solid	8021B	3584

Prep Batch: 3757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	5030C	
MB 885-3757/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3757/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3757/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 3801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8015D	3603
885-3108-10	PWA-10	Total/NA	Solid	8015D	3603
885-3108-11	PBA-1	Total/NA	Solid	8015D	3603
885-3108-12	PBA-2	Total/NA	Solid	8015D	3603
885-3108-13	PBA-3	Total/NA	Solid	8015D	3603
885-3108-14	PBA-4	Total/NA	Solid	8015D	3603
885-3108-15	PBA-5	Total/NA	Solid	8015D	3603
885-3108-16	PBA-6	Total/NA	Solid	8015D	3603
885-3108-17	PBA-7	Total/NA	Solid	8015D	3603
885-3108-18	PBA-8	Total/NA	Solid	8015D	3603
885-3108-19	PBA-9	Total/NA	Solid	8015D	3603
885-3108-20	PBA-10	Total/NA	Solid	8015D	3603
885-3108-21	PBA-11	Total/NA	Solid	8015D	3603
885-3108-22	PBA-12	Total/NA	Solid	8015D	3603
885-3108-23	PBA-13	Total/NA	Solid	8015D	3603
885-3108-24	PBA-14	Total/NA	Solid	8015D	3603
885-3108-25	PBA-15	Total/NA	Solid	8015D	3603
885-3108-26	P-2B-W1	Total/NA	Solid	8015D	3603
885-3108-27	P-2B-W2	Total/NA	Solid	8015D	3603
885-3108-28	P-2B-W3	Total/NA	Solid	8015D	3603
MB 885-3603/1-A	Method Blank	Total/NA	Solid	8015D	3603
LCS 885-3603/2-A	Lab Control Sample	Total/NA	Solid	8015D	3603
885-3108-9 MS	PWA-9	Total/NA	Solid	8015D	3603
885-3108-9 MSD	PWA-9	Total/NA	Solid	8015D	3603

Analysis Batch: 3803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-5	PWA-5	Total/NA	Solid	8021B	3584
885-3108-6	PWA-6	Total/NA	Solid	8021B	3584

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA (Continued)

Analysis Batch: 3803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-7	PWA-7	Total/NA	Solid	8021B	3584
885-3108-8	PWA-8	Total/NA	Solid	8021B	3584

Analysis Batch: 3804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8021B	3603
885-3108-10	PWA-10	Total/NA	Solid	8021B	3603
885-3108-11	PBA-1	Total/NA	Solid	8021B	3603
885-3108-12	PBA-2	Total/NA	Solid	8021B	3603
885-3108-13	PBA-3	Total/NA	Solid	8021B	3603
885-3108-14	PBA-4	Total/NA	Solid	8021B	3603
885-3108-15	PBA-5	Total/NA	Solid	8021B	3603
885-3108-16	PBA-6	Total/NA	Solid	8021B	3603
885-3108-17	PBA-7	Total/NA	Solid	8021B	3603
885-3108-18	PBA-8	Total/NA	Solid	8021B	3603
885-3108-19	PBA-9	Total/NA	Solid	8021B	3603
885-3108-20	PBA-10	Total/NA	Solid	8021B	3603
885-3108-21	PBA-11	Total/NA	Solid	8021B	3603
885-3108-22	PBA-12	Total/NA	Solid	8021B	3603
885-3108-23	PBA-13	Total/NA	Solid	8021B	3603
885-3108-24	PBA-14	Total/NA	Solid	8021B	3603
885-3108-25	PBA-15	Total/NA	Solid	8021B	3603
885-3108-26	P-2B-W1	Total/NA	Solid	8021B	3603
885-3108-27	P-2B-W2	Total/NA	Solid	8021B	3603
885-3108-28	P-2B-W3	Total/NA	Solid	8021B	3603
MB 885-3603/1-A	Method Blank	Total/NA	Solid	8021B	3603
LCS 885-3603/3-A	Lab Control Sample	Total/NA	Solid	8021B	3603
885-3108-10 MS	PWA-10	Total/NA	Solid	8021B	3603
885-3108-10 MSD	PWA-10	Total/NA	Solid	8021B	3603

Analysis Batch: 3868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8015D	3757
MB 885-3757/1-A	Method Blank	Total/NA	Solid	8015D	3757
LCS 885-3757/2-A	Lab Control Sample	Total/NA	Solid	8015D	3757

Analysis Batch: 3869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8021B	3757
MB 885-3757/1-A	Method Blank	Total/NA	Solid	8021B	3757
LCS 885-3757/3-A	Lab Control Sample	Total/NA	Solid	8021B	3757

GC Semi VOA

Prep Batch: 3596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	SHAKE	
885-3108-2	PWA-2	Total/NA	Solid	SHAKE	
885-3108-3	PWA-3	Total/NA	Solid	SHAKE	
885-3108-4	PWA-4	Total/NA	Solid	SHAKE	
885-3108-5	PWA-5	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC Semi VOA (Continued)

Prep Batch: 3596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-6	PWA-6	Total/NA	Solid	SHAKE	
885-3108-7	PWA-7	Total/NA	Solid	SHAKE	
885-3108-8	PWA-8	Total/NA	Solid	SHAKE	
MB 885-3596/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3596/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 3678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	SHAKE	
885-3108-10	PWA-10	Total/NA	Solid	SHAKE	
885-3108-11	PBA-1	Total/NA	Solid	SHAKE	
885-3108-12	PBA-2	Total/NA	Solid	SHAKE	
885-3108-13	PBA-3	Total/NA	Solid	SHAKE	
885-3108-14	PBA-4	Total/NA	Solid	SHAKE	
885-3108-15	PBA-5	Total/NA	Solid	SHAKE	
885-3108-16	PBA-6	Total/NA	Solid	SHAKE	
885-3108-17	PBA-7	Total/NA	Solid	SHAKE	
885-3108-18	PBA-8	Total/NA	Solid	SHAKE	
885-3108-19	PBA-9	Total/NA	Solid	SHAKE	
885-3108-20	PBA-10	Total/NA	Solid	SHAKE	
885-3108-21	PBA-11	Total/NA	Solid	SHAKE	
885-3108-22	PBA-12	Total/NA	Solid	SHAKE	
885-3108-23	PBA-13	Total/NA	Solid	SHAKE	
885-3108-24	PBA-14	Total/NA	Solid	SHAKE	
885-3108-25	PBA-15	Total/NA	Solid	SHAKE	
885-3108-26	P-2B-W1	Total/NA	Solid	SHAKE	
885-3108-27	P-2B-W2	Total/NA	Solid	SHAKE	
885-3108-28	P-2B-W3	Total/NA	Solid	SHAKE	
MB 885-3678/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3678/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-3108-28 MS	P-2B-W3	Total/NA	Solid	SHAKE	
885-3108-28 MSD	P-2B-W3	Total/NA	Solid	SHAKE	

Analysis Batch: 3704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8015D	3596
885-3108-2	PWA-2	Total/NA	Solid	8015D	3596
885-3108-3	PWA-3	Total/NA	Solid	8015D	3596
885-3108-4	PWA-4	Total/NA	Solid	8015D	3596
885-3108-5	PWA-5	Total/NA	Solid	8015D	3596
885-3108-6	PWA-6	Total/NA	Solid	8015D	3596
885-3108-7	PWA-7	Total/NA	Solid	8015D	3596
885-3108-8	PWA-8	Total/NA	Solid	8015D	3596
MB 885-3596/1-A	Method Blank	Total/NA	Solid	8015D	3596
LCS 885-3596/2-A	Lab Control Sample	Total/NA	Solid	8015D	3596

Prep Batch: 3768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	SHAKE	
MB 885-3768/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3768/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC Semi VOA

Analysis Batch: 3793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8015D	3678
885-3108-10	PWA-10	Total/NA	Solid	8015D	3678
885-3108-11	PBA-1	Total/NA	Solid	8015D	3678
885-3108-12	PBA-2	Total/NA	Solid	8015D	3678
885-3108-13	PBA-3	Total/NA	Solid	8015D	3678
885-3108-17	PBA-7	Total/NA	Solid	8015D	3678
MB 885-3678/1-A	Method Blank	Total/NA	Solid	8015D	3678
LCS 885-3678/2-A	Lab Control Sample	Total/NA	Solid	8015D	3678

Analysis Batch: 3794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-14	PBA-4	Total/NA	Solid	8015D	3678
885-3108-15	PBA-5	Total/NA	Solid	8015D	3678
885-3108-16	PBA-6	Total/NA	Solid	8015D	3678
885-3108-18	PBA-8	Total/NA	Solid	8015D	3678
885-3108-19	PBA-9	Total/NA	Solid	8015D	3678
885-3108-20	PBA-10	Total/NA	Solid	8015D	3678
885-3108-21	PBA-11	Total/NA	Solid	8015D	3678
885-3108-22	PBA-12	Total/NA	Solid	8015D	3678
885-3108-23	PBA-13	Total/NA	Solid	8015D	3678
885-3108-24	PBA-14	Total/NA	Solid	8015D	3678
885-3108-25	PBA-15	Total/NA	Solid	8015D	3678
885-3108-26	P-2B-W1	Total/NA	Solid	8015D	3678
885-3108-27	P-2B-W2	Total/NA	Solid	8015D	3678
885-3108-28	P-2B-W3	Total/NA	Solid	8015D	3678
885-3108-28 MS	P-2B-W3	Total/NA	Solid	8015D	3678
885-3108-28 MSD	P-2B-W3	Total/NA	Solid	8015D	3678

Analysis Batch: 3832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8015D	3768
MB 885-3768/1-A	Method Blank	Total/NA	Solid	8015D	3768
LCS 885-3768/2-A	Lab Control Sample	Total/NA	Solid	8015D	3768

HPLC/IC

Prep Batch: 3682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	300_Prep	
885-3108-2	PWA-2	Total/NA	Solid	300_Prep	
885-3108-3	PWA-3	Total/NA	Solid	300_Prep	
885-3108-4	PWA-4	Total/NA	Solid	300_Prep	
885-3108-5	PWA-5	Total/NA	Solid	300_Prep	
885-3108-6	PWA-6	Total/NA	Solid	300_Prep	

Prep Batch: 3708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-7	PWA-7	Total/NA	Solid	300_Prep	
885-3108-8	PWA-8	Total/NA	Solid	300_Prep	
885-3108-9	PWA-9	Total/NA	Solid	300_Prep	
885-3108-10	PWA-10	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

HPLC/IC (Continued)

Prep Batch: 3708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-11	PBA-1	Total/NA	Solid	300_Prep	
885-3108-12	PBA-2	Total/NA	Solid	300_Prep	
885-3108-13	PBA-3	Total/NA	Solid	300_Prep	
885-3108-14	PBA-4	Total/NA	Solid	300_Prep	
885-3108-15	PBA-5	Total/NA	Solid	300_Prep	
885-3108-16	PBA-6	Total/NA	Solid	300_Prep	
885-3108-17	PBA-7	Total/NA	Solid	300_Prep	
885-3108-18	PBA-8	Total/NA	Solid	300_Prep	
885-3108-19	PBA-9	Total/NA	Solid	300_Prep	
885-3108-20	PBA-10	Total/NA	Solid	300_Prep	
885-3108-21	PBA-11	Total/NA	Solid	300_Prep	
885-3108-22	PBA-12	Total/NA	Solid	300_Prep	
885-3108-23	PBA-13	Total/NA	Solid	300_Prep	
885-3108-24	PBA-14	Total/NA	Solid	300_Prep	
885-3108-25	PBA-15	Total/NA	Solid	300_Prep	
885-3108-26	P-2B-W1	Total/NA	Solid	300_Prep	
MB 885-3708/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3708/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-3108-7 MS	PWA-7	Total/NA	Solid	300_Prep	
885-3108-7 MSD	PWA-7	Total/NA	Solid	300_Prep	
885-3108-8 MS	PWA-8	Total/NA	Solid	300_Prep	
885-3108-8 MSD	PWA-8	Total/NA	Solid	300_Prep	

Prep Batch: 3774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-27	P-2B-W2	Total/NA	Solid	300_Prep	
885-3108-28	P-2B-W3	Total/NA	Solid	300_Prep	
MB 885-3774/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3774/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-3108-27 MS	P-2B-W2	Total/NA	Solid	300_Prep	
885-3108-27 MSD	P-2B-W2	Total/NA	Solid	300_Prep	

Analysis Batch: 3787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	300.0	3682
885-3108-2	PWA-2	Total/NA	Solid	300.0	3682
885-3108-3	PWA-3	Total/NA	Solid	300.0	3682
885-3108-4	PWA-4	Total/NA	Solid	300.0	3682
885-3108-5	PWA-5	Total/NA	Solid	300.0	3682
885-3108-6	PWA-6	Total/NA	Solid	300.0	3682
885-3108-7	PWA-7	Total/NA	Solid	300.0	3708
885-3108-8	PWA-8	Total/NA	Solid	300.0	3708
885-3108-9	PWA-9	Total/NA	Solid	300.0	3708
885-3108-10	PWA-10	Total/NA	Solid	300.0	3708
885-3108-11	PBA-1	Total/NA	Solid	300.0	3708
885-3108-12	PBA-2	Total/NA	Solid	300.0	3708
885-3108-13	PBA-3	Total/NA	Solid	300.0	3708
885-3108-14	PBA-4	Total/NA	Solid	300.0	3708
885-3108-15	PBA-5	Total/NA	Solid	300.0	3708
885-3108-16	PBA-6	Total/NA	Solid	300.0	3708
885-3108-17	PBA-7	Total/NA	Solid	300.0	3708

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

HPLC/IC (Continued)

Analysis Batch: 3787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-18	PBA-8	Total/NA	Solid	300.0	3708
885-3108-19	PBA-9	Total/NA	Solid	300.0	3708
885-3108-20	PBA-10	Total/NA	Solid	300.0	3708
885-3108-21	PBA-11	Total/NA	Solid	300.0	3708
885-3108-22	PBA-12	Total/NA	Solid	300.0	3708
885-3108-23	PBA-13	Total/NA	Solid	300.0	3708
885-3108-24	PBA-14	Total/NA	Solid	300.0	3708
885-3108-25	PBA-15	Total/NA	Solid	300.0	3708
885-3108-26	P-2B-W1	Total/NA	Solid	300.0	3708
MB 885-3708/1-A	Method Blank	Total/NA	Solid	300.0	3708
MB 885-3787/4	Method Blank	Total/NA	Solid	300.0	
LCS 885-3708/2-A	Lab Control Sample	Total/NA	Solid	300.0	3708
MRL 885-3787/3	Lab Control Sample	Total/NA	Solid	300.0	
885-3108-7 MS	PWA-7	Total/NA	Solid	300.0	3708
885-3108-7 MSD	PWA-7	Total/NA	Solid	300.0	3708
885-3108-8 MS	PWA-8	Total/NA	Solid	300.0	3708
885-3108-8 MSD	PWA-8	Total/NA	Solid	300.0	3708

Prep Batch: 3838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	300_Prep	
MB 885-3838/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3838/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 3852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-27	P-2B-W2	Total/NA	Solid	300.0	3774
885-3108-28	P-2B-W3	Total/NA	Solid	300.0	3774
885-3108-29	R-2A-W3	Total/NA	Solid	300.0	3838
MB 885-3774/1-A	Method Blank	Total/NA	Solid	300.0	3774
MB 885-3838/1-A	Method Blank	Total/NA	Solid	300.0	3838
LCS 885-3774/2-A	Lab Control Sample	Total/NA	Solid	300.0	3774
LCS 885-3838/2-A	Lab Control Sample	Total/NA	Solid	300.0	3838
885-3108-27 MS	P-2B-W2	Total/NA	Solid	300.0	3774
885-3108-27 MSD	P-2B-W2	Total/NA	Solid	300.0	3774

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-1

Lab Sample ID: 885-3108-1

Date Collected: 04/17/24 09:40

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:11
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:11
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 14:02
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:06

Client Sample ID: PWA-2

Lab Sample ID: 885-3108-2

Date Collected: 04/17/24 09:44

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:35
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:35
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 14:14
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:18

Client Sample ID: PWA-3

Lab Sample ID: 885-3108-3

Date Collected: 04/17/24 09:46

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:59
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:59
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 16:54
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:30

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 16:23

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 16:23
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:07
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:43

Client Sample ID: PWA-5

Lab Sample ID: 885-3108-5

Date Collected: 04/17/24 09:52

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 17:13
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:10
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:19
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 18:20

Client Sample ID: PWA-6

Lab Sample ID: 885-3108-6

Date Collected: 04/17/24 09:56

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 17:37
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:32
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:32
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 18:32

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 18:00
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:54

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:46
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 19:34

Client Sample ID: PWA-8

Lab Sample ID: 885-3108-8

Date Collected: 04/17/24 10:02

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 18:24
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 17:16
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:59
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 20:11

Client Sample ID: PWA-9

Lab Sample ID: 885-3108-9

Date Collected: 04/17/24 10:06

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 20:17
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 20:17
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 11:43
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 20:48

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 21:25
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 21:25
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 11:56

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:00

Client Sample ID: PBA-1

Lab Sample ID: 885-3108-11

Date Collected: 04/17/24 12:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 22:33
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 22:33
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:09
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:13

Client Sample ID: PBA-2

Lab Sample ID: 885-3108-12

Date Collected: 04/17/24 12:02

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 22:56
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 22:56
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:21
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:25

Client Sample ID: PBA-3

Lab Sample ID: 885-3108-13

Date Collected: 04/17/24 12:04

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 23:18
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 23:18
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:34
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:02

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-4

Lab Sample ID: 885-3108-14

Date Collected: 04/17/24 12:08

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 23:41
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 23:41
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 20:16
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:14

Client Sample ID: PBA-5

Lab Sample ID: 885-3108-15

Date Collected: 04/17/24 12:14

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:04
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:04
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 20:40
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:27

Client Sample ID: PBA-6

Lab Sample ID: 885-3108-16

Date Collected: 04/17/24 12:16

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:26
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:26
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:05
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:39

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:49

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:49
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 13:25
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:51

Client Sample ID: PBA-8

Lab Sample ID: 885-3108-18

Date Collected: 04/17/24 12:30

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 01:12
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 01:12
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:29
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:04

Client Sample ID: PBA-9

Lab Sample ID: 885-3108-19

Date Collected: 04/17/24 12:32

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 01:57
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 01:57
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:53
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:16

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 02:19
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 02:19

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 22:18
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:28

Client Sample ID: PBA-11

Lab Sample ID: 885-3108-21

Date Collected: 04/17/24 12:40

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 02:42
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 02:42
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 22:42
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:41

Client Sample ID: PBA-12

Lab Sample ID: 885-3108-22

Date Collected: 04/17/24 12:48

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:04
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:04
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 23:07
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:53

Client Sample ID: PBA-13

Lab Sample ID: 885-3108-23

Date Collected: 04/17/24 12:54

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:27
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:27
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 23:55

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-13
Date Collected: 04/17/24 12:54
Date Received: 04/19/24 07:30

Lab Sample ID: 885-3108-23
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:30

Client Sample ID: PBA-14
Date Collected: 04/17/24 13:00
Date Received: 04/19/24 07:30

Lab Sample ID: 885-3108-24
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:49
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:49
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 00:19
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:43

Client Sample ID: PBA-15
Date Collected: 04/17/24 13:02
Date Received: 04/19/24 07:30

Lab Sample ID: 885-3108-25
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:12
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:12
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 00:44
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:55

Client Sample ID: P-2B-W1
Date Collected: 04/17/24 13:10
Date Received: 04/19/24 07:30

Lab Sample ID: 885-3108-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:34
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:34
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:08
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 01:07

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W2

Lab Sample ID: 885-3108-27

Date Collected: 04/17/24 13:12

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:56
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:56
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:33
Total/NA	Prep	300_Prep			3774	SS	EET ALB	04/23/24 16:44
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 09:10

Client Sample ID: P-2B-W3

Lab Sample ID: 885-3108-28

Date Collected: 04/17/24 13:14

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 05:19
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 05:19
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:57
Total/NA	Prep	300_Prep			3774	SS	EET ALB	04/23/24 16:44
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 09:48

Client Sample ID: R-2A-W3

Lab Sample ID: 885-3108-29

Date Collected: 04/17/24 13:16

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3757	JP	EET ALB	04/23/24 13:42
Total/NA	Analysis	8015D		1	3868	JP	EET ALB	04/24/24 16:16
Total/NA	Prep	5030C			3757	JP	EET ALB	04/23/24 13:42
Total/NA	Analysis	8021B		1	3869	JP	EET ALB	04/24/24 16:16
Total/NA	Prep	SHAKE			3768	JU	EET ALB	04/23/24 15:26
Total/NA	Analysis	8015D		1	3832	JU	EET ALB	04/24/24 19:04
Total/NA	Prep	300_Prep			3838	RC	EET ALB	04/24/24 14:12
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 16:51

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailin; Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: AZ Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush **5 DAY TAT**
 Project Name:
ROY SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: **J. Martinez**
 On Ice: Yes No **yes**
 # of Coolers: **1**
 Cooler Temp (including CP): **0.0 - 0.1 - 0.7 -**

Container Type and #
I x 4oz Jar ICE
 Preservative Type
I
 HEAL No.
25
26
27
28
29



4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Analysis Request	TPH:8015D(GRO / DRO / MRO)	BTEX (8021)	Chloride (EPA 300)
	X	X	X
	I	I	I
	I	I	I
	I	I	I
	I	I	I

Remarks: Bill to EOG Artesia

Date: **4/18/24** 1050
 Relinquished by: **[Signature]**
 Date: **4/18/24** 1900
 Relinquished by: **[Signature]**
 Received by: **[Signature]** Date: **4/18/24** 1050
 Received by: **[Signature]** Date: **4/19/24** 7:30

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-3108-1

Login Number: 3108

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 5/28/2024 3:38:44 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-4284-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
5/28/2024 3:38:44 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-4284-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-4284-1

Job ID: 885-4284-1

Eurofins Albuquerque

Job Narrative 885-4284-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/10/2024 9:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-4985 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (LCS 885-4955/2-A).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-4979 and analytical batch 885-5015 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-11

Lab Sample ID: 885-4284-1

Date Collected: 05/08/24 09:10

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 13:12	05/18/24 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 13:12	05/18/24 05:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 13:12	05/18/24 05:22	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 05:22	1
Toluene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 05:22	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 13:12	05/18/24 05:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/13/24 13:12	05/18/24 05:22	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/15/24 10:57	05/16/24 13:56	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/15/24 10:57	05/16/24 13:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			05/15/24 10:57	05/16/24 13:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		05/14/24 07:30	05/14/24 12:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-12

Lab Sample ID: 885-4284-2

Date Collected: 05/08/24 09:12

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		05/13/24 13:12	05/18/24 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 13:12	05/18/24 06:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/13/24 13:12	05/18/24 06:32	1
Ethylbenzene	ND		0.046	mg/Kg		05/13/24 13:12	05/18/24 06:32	1
Toluene	ND		0.046	mg/Kg		05/13/24 13:12	05/18/24 06:32	1
Xylenes, Total	ND		0.092	mg/Kg		05/13/24 13:12	05/18/24 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/13/24 13:12	05/18/24 06:32	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/15/24 10:57	05/16/24 14:07	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/15/24 10:57	05/16/24 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			05/15/24 10:57	05/16/24 14:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		05/14/24 07:30	05/14/24 12:28	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-13

Lab Sample ID: 885-4284-3

Date Collected: 05/08/24 09:20

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/13/24 13:12	05/18/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 13:12	05/18/24 06:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 06:55	1
Ethylbenzene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 06:55	1
Toluene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 06:55	1
Xylenes, Total	ND		0.095	mg/Kg		05/13/24 13:12	05/18/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/13/24 13:12	05/18/24 06:55	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		05/15/24 10:57	05/16/24 14:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/15/24 10:57	05/16/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			05/15/24 10:57	05/16/24 14:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		05/14/24 07:30	05/14/24 12:43	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-14

Lab Sample ID: 885-4284-4

Date Collected: 05/08/24 09:24

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 13:12	05/18/24 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 13:12	05/18/24 07:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 13:12	05/18/24 07:19	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 07:19	1
Toluene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 07:19	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 13:12	05/18/24 07:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/13/24 13:12	05/18/24 07:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/15/24 10:57	05/16/24 14:29	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/15/24 10:57	05/16/24 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			05/15/24 10:57	05/16/24 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		61	mg/Kg		05/14/24 07:30	05/14/24 12:58	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-15

Lab Sample ID: 885-4284-5

Date Collected: 05/08/24 09:28

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/13/24 13:12	05/18/24 07:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/13/24 13:12	05/18/24 07:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 07:43	1
Ethylbenzene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 07:43	1
Toluene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 07:43	1
Xylenes, Total	ND		0.095	mg/Kg		05/13/24 13:12	05/18/24 07:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/13/24 13:12	05/18/24 07:43	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/15/24 10:57	05/16/24 14:39	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/15/24 10:57	05/16/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			05/15/24 10:57	05/16/24 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		05/14/24 07:30	05/14/24 13:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-16

Lab Sample ID: 885-4284-6

Date Collected: 05/08/24 09:38

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 13:12	05/18/24 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/13/24 13:12	05/18/24 08:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 08:06	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 08:06	1
Toluene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 08:06	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 13:12	05/18/24 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 13:12	05/18/24 08:06	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		05/15/24 10:57	05/16/24 14:50	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/15/24 10:57	05/16/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			05/15/24 10:57	05/16/24 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		05/14/24 07:30	05/14/24 13:28	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-17

Lab Sample ID: 885-4284-7

Date Collected: 05/08/24 09:40

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/13/24 13:12	05/18/24 08:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 13:12	05/18/24 08:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 08:30	1
Ethylbenzene	ND		0.048	mg/Kg		05/13/24 13:12	05/18/24 08:30	1
Toluene	ND		0.048	mg/Kg		05/13/24 13:12	05/18/24 08:30	1
Xylenes, Total	ND		0.096	mg/Kg		05/13/24 13:12	05/18/24 08:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 13:12	05/18/24 08:30	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		05/15/24 10:57	05/16/24 15:01	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/15/24 10:57	05/16/24 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			05/15/24 10:57	05/16/24 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		05/14/24 07:30	05/14/24 13:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-18

Lab Sample ID: 885-4284-8

Date Collected: 05/08/24 09:42

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 13:12	05/18/24 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 13:12	05/18/24 08:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 13:12	05/18/24 08:54	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 08:54	1
Toluene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 08:54	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 13:12	05/18/24 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/13/24 13:12	05/18/24 08:54	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/15/24 10:57	05/16/24 15:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/15/24 10:57	05/16/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			05/15/24 10:57	05/16/24 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		05/14/24 07:30	05/14/24 13:59	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-19

Lab Sample ID: 885-4284-9

Date Collected: 05/08/24 09:56

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/13/24 13:12	05/18/24 09:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 13:12	05/18/24 09:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/13/24 13:12	05/18/24 09:17	1
Ethylbenzene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 09:17	1
Toluene	ND		0.047	mg/Kg		05/13/24 13:12	05/18/24 09:17	1
Xylenes, Total	ND		0.094	mg/Kg		05/13/24 13:12	05/18/24 09:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/13/24 13:12	05/18/24 09:17	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		05/15/24 10:57	05/16/24 15:45	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		05/15/24 10:57	05/16/24 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			05/15/24 10:57	05/16/24 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		05/14/24 07:30	05/14/24 14:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-20

Lab Sample ID: 885-4284-10

Date Collected: 05/08/24 09:58

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 13:12	05/18/24 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/13/24 13:12	05/18/24 09:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 09:41	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 09:41	1
Toluene	ND		0.049	mg/Kg		05/13/24 13:12	05/18/24 09:41	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 13:12	05/18/24 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 13:12	05/18/24 09:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/15/24 10:57	05/16/24 15:56	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/15/24 10:57	05/16/24 15:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			05/15/24 10:57	05/16/24 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		05/14/24 07:30	05/14/24 14:59	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-21

Lab Sample ID: 885-4284-11

Date Collected: 05/08/24 10:10

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/13/24 13:12	05/18/24 10:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/13/24 13:12	05/18/24 10:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 13:12	05/18/24 10:05	1
Ethylbenzene	ND		0.048	mg/Kg		05/13/24 13:12	05/18/24 10:05	1
Toluene	ND		0.048	mg/Kg		05/13/24 13:12	05/18/24 10:05	1
Xylenes, Total	ND		0.097	mg/Kg		05/13/24 13:12	05/18/24 10:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/13/24 13:12	05/18/24 10:05	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		05/15/24 10:57	05/16/24 16:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/15/24 10:57	05/16/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			05/15/24 10:57	05/16/24 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		05/14/24 07:30	05/14/24 15:45	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-22

Lab Sample ID: 885-4284-12

Date Collected: 05/08/24 10:20

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 18:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 14:02	05/14/24 18:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 18:26	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 18:26	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 18:26	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 14:02	05/14/24 18:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 14:02	05/14/24 18:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/14/24 11:27	05/14/24 16:11	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/14/24 11:27	05/14/24 16:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			05/14/24 11:27	05/14/24 16:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		05/14/24 08:19	05/14/24 17:11	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-23

Lab Sample ID: 885-4284-13

Date Collected: 05/08/24 10:24

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			05/13/24 14:02	05/14/24 19:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 19:32	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 19:32	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 19:32	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 14:02	05/14/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/13/24 14:02	05/14/24 19:32	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		05/14/24 11:27	05/14/24 16:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/14/24 11:27	05/14/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			05/14/24 11:27	05/14/24 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		05/14/24 08:19	05/14/24 17:23	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-24

Lab Sample ID: 885-4284-14

Date Collected: 05/08/24 10:26

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/13/24 14:02	05/14/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 14:02	05/14/24 20:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/14/24 20:37	1
Ethylbenzene	ND		0.048	mg/Kg		05/13/24 14:02	05/14/24 20:37	1
Toluene	ND		0.048	mg/Kg		05/13/24 14:02	05/14/24 20:37	1
Xylenes, Total	ND		0.097	mg/Kg		05/13/24 14:02	05/14/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/13/24 14:02	05/14/24 20:37	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/14/24 11:27	05/14/24 16:32	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/14/24 11:27	05/14/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			05/14/24 11:27	05/14/24 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		05/14/24 08:19	05/14/24 17:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-25

Lab Sample ID: 885-4284-15

Date Collected: 05/08/24 10:38

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/13/24 14:02	05/14/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/13/24 14:02	05/14/24 20:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/14/24 20:59	1
Ethylbenzene	ND		0.047	mg/Kg		05/13/24 14:02	05/14/24 20:59	1
Toluene	ND		0.047	mg/Kg		05/13/24 14:02	05/14/24 20:59	1
Xylenes, Total	ND		0.095	mg/Kg		05/13/24 14:02	05/14/24 20:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/13/24 14:02	05/14/24 20:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/14/24 11:27	05/14/24 16:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/14/24 11:27	05/14/24 16:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			05/14/24 11:27	05/14/24 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		05/14/24 08:19	05/14/24 17:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-26

Lab Sample ID: 885-4284-16

Date Collected: 05/08/24 10:40

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 21:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/13/24 14:02	05/14/24 21:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 21:20	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 21:20	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 21:20	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 14:02	05/14/24 21:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 14:02	05/14/24 21:20	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/14/24 11:27	05/15/24 12:14	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/14/24 11:27	05/15/24 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			05/14/24 11:27	05/15/24 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		60	mg/Kg		05/14/24 08:19	05/14/24 18:00	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-16

Lab Sample ID: 885-4284-17

Date Collected: 05/08/24 13:10

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 21:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 14:02	05/14/24 21:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 21:42	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 21:42	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 21:42	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 14:02	05/14/24 21:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 14:02	05/14/24 21:42	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/14/24 11:27	05/14/24 17:05	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/14/24 11:27	05/14/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			05/14/24 11:27	05/14/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140	F2	60	mg/Kg		05/14/24 16:00	05/14/24 17:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-17

Lab Sample ID: 885-4284-18

Date Collected: 05/08/24 13:14

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/13/24 14:02	05/14/24 22:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 22:04	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 22:04	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 22:04	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 14:02	05/14/24 22:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 14:02	05/14/24 22:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/14/24 11:27	05/14/24 17:16	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/14/24 11:27	05/14/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			05/14/24 11:27	05/14/24 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180	F2	60	mg/Kg		05/14/24 16:00	05/14/24 17:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-18

Lab Sample ID: 885-4284-19

Date Collected: 05/08/24 13:20

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			05/13/24 14:02	05/14/24 22:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/14/24 22:26	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 22:26	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 22:26	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 14:02	05/14/24 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/13/24 14:02	05/14/24 22:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/14/24 11:27	05/15/24 12:38	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/14/24 11:27	05/15/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			05/14/24 11:27	05/15/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		59	mg/Kg		05/14/24 16:00	05/14/24 19:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-19

Lab Sample ID: 885-4284-20

Date Collected: 05/08/24 13:24

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/13/24 14:02	05/14/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 14:02	05/14/24 22:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/14/24 22:47	1
Ethylbenzene	ND		0.048	mg/Kg		05/13/24 14:02	05/14/24 22:47	1
Toluene	ND		0.048	mg/Kg		05/13/24 14:02	05/14/24 22:47	1
Xylenes, Total	ND		0.097	mg/Kg		05/13/24 14:02	05/14/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 14:02	05/14/24 22:47	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/14/24 11:27	05/14/24 17:38	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/14/24 11:27	05/14/24 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			05/14/24 11:27	05/14/24 17:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		05/14/24 16:00	05/14/24 19:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-20

Lab Sample ID: 885-4284-21

Date Collected: 05/08/24 13:28

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/14/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			05/13/24 14:02	05/14/24 23:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/14/24 23:09	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 23:09	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/14/24 23:09	1
Xylenes, Total	ND		0.097	mg/Kg		05/13/24 14:02	05/14/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			05/13/24 14:02	05/14/24 23:09	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		05/14/24 11:27	05/14/24 17:48	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/14/24 11:27	05/14/24 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			05/14/24 11:27	05/14/24 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		05/14/24 16:00	05/14/24 19:32	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-21

Lab Sample ID: 885-4284-22

Date Collected: 05/08/24 13:40

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/14/24 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 14:02	05/14/24 23:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 23:53	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/14/24 23:53	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/14/24 23:53	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 14:02	05/14/24 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/13/24 14:02	05/14/24 23:53	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/14/24 11:27	05/14/24 17:59	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/14/24 11:27	05/14/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			05/14/24 11:27	05/14/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		05/14/24 16:00	05/14/24 19:47	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-22

Lab Sample ID: 885-4284-23

Date Collected: 05/08/24 13:42

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/15/24 00:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/13/24 14:02	05/15/24 00:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/15/24 00:15	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:15	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:15	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 14:02	05/15/24 00:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/13/24 14:02	05/15/24 00:15	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/14/24 11:27	05/15/24 13:02	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/14/24 11:27	05/15/24 13:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			05/14/24 11:27	05/15/24 13:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		05/14/24 16:00	05/14/24 20:02	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-23

Lab Sample ID: 885-4284-24

Date Collected: 05/08/24 13:48

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/15/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/13/24 14:02	05/15/24 00:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/15/24 00:36	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:36	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:36	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 14:02	05/15/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		48 - 145			05/13/24 14:02	05/15/24 00:36	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/14/24 11:27	05/14/24 18:22	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/14/24 11:27	05/14/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			05/14/24 11:27	05/14/24 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		05/14/24 16:00	05/14/24 20:17	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-24

Lab Sample ID: 885-4284-25

Date Collected: 05/08/24 14:10

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/15/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 14:02	05/15/24 00:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/15/24 00:58	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:58	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 00:58	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 14:02	05/15/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 14:02	05/15/24 00:58	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/14/24 11:27	05/14/24 18:33	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/14/24 11:27	05/14/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			05/14/24 11:27	05/14/24 18:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		05/14/24 16:00	05/14/24 21:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-25

Lab Sample ID: 885-4284-26

Date Collected: 05/08/24 14:14

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/13/24 14:02	05/15/24 01:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/13/24 14:02	05/15/24 01:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/15/24 01:20	1
Ethylbenzene	ND		0.049	mg/Kg		05/13/24 14:02	05/15/24 01:20	1
Toluene	ND		0.049	mg/Kg		05/13/24 14:02	05/15/24 01:20	1
Xylenes, Total	ND		0.098	mg/Kg		05/13/24 14:02	05/15/24 01:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/13/24 14:02	05/15/24 01:20	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/14/24 11:27	05/14/24 18:44	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/14/24 11:27	05/14/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			05/14/24 11:27	05/14/24 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		05/14/24 16:00	05/14/24 21:18	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-26

Lab Sample ID: 885-4284-27

Date Collected: 05/08/24 14:20

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/15/24 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 14:02	05/15/24 01:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/15/24 01:41	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 01:41	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/15/24 01:41	1
Xylenes, Total	ND		0.099	mg/Kg		05/13/24 14:02	05/15/24 01:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 14:02	05/15/24 01:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/14/24 11:27	05/14/24 18:55	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/14/24 11:27	05/14/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			05/14/24 11:27	05/14/24 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		05/14/24 16:00	05/14/24 21:33	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-27

Lab Sample ID: 885-4284-28

Date Collected: 05/08/24 14:24

Matrix: Solid

Date Received: 05/10/24 09:10

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/13/24 14:02	05/15/24 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/13/24 14:02	05/15/24 02:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/13/24 14:02	05/15/24 02:03	1
Ethylbenzene	ND		0.048	mg/Kg		05/13/24 14:02	05/15/24 02:03	1
Toluene	ND		0.048	mg/Kg		05/13/24 14:02	05/15/24 02:03	1
Xylenes, Total	ND		0.097	mg/Kg		05/13/24 14:02	05/15/24 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/13/24 14:02	05/15/24 02:03	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/14/24 11:27	05/14/24 19:07	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/14/24 11:27	05/14/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			05/14/24 11:27	05/14/24 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		05/14/24 16:00	05/14/24 21:49	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-4852/1-A
Matrix: Solid
Analysis Batch: 5337

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4852

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 13:12	05/17/24 23:32	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/13/24 13:12	05/17/24 23:32	1

Lab Sample ID: LCS 885-4852/2-A
Matrix: Solid
Analysis Batch: 5337

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.2		mg/Kg		93	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	192	S1+	35 - 166				

Lab Sample ID: MB 885-4861/1-A
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4861

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/13/24 14:02	05/14/24 18:05	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		35 - 166			05/13/24 14:02	05/14/24 18:05	1

Lab Sample ID: LCS 885-4861/2-A
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.4		mg/Kg		90	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	190	S1+	35 - 166				

Lab Sample ID: 885-4284-12 MS
Matrix: Solid
Analysis Batch: 5069

Client Sample ID: PWA-22
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	25.8		mg/Kg		103	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-4284-12 MS
 Matrix: Solid
 Analysis Batch: 5069

Client Sample ID: PWA-22
 Prep Type: Total/NA
 Prep Batch: 4861

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	218	S1+	35 - 166

Lab Sample ID: 885-4284-12 MSD
 Matrix: Solid
 Analysis Batch: 5069

Client Sample ID: PWA-22
 Prep Type: Total/NA
 Prep Batch: 4861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		24.0	26.8		mg/Kg		112	70 - 130	4	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	224	S1+	35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-4852/1-A
 Matrix: Solid
 Analysis Batch: 5338

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4852

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 13:12	05/17/24 23:32	1
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 13:12	05/17/24 23:32	1
Toluene	ND		0.050	mg/Kg		05/13/24 13:12	05/17/24 23:32	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 13:12	05/17/24 23:32	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145	05/13/24 13:12	05/17/24 23:32	1

Lab Sample ID: LCS 885-4852/3-A
 Matrix: Solid
 Analysis Batch: 5338

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 4852

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Benzene	1.00	0.914		mg/Kg		91	70 - 130	
Ethylbenzene	1.00	0.874		mg/Kg		87	70 - 130	
Toluene	1.00	0.864		mg/Kg		86	70 - 130	
o-Xylene	1.00	0.861		mg/Kg		86	70 - 130	
m,p-Xylene	2.00	1.76		mg/Kg		88	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: MB 885-4861/1-A
 Matrix: Solid
 Analysis Batch: 5071

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4861

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/13/24 14:02	05/14/24 18:05	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-4861/1-A
Matrix: Solid
Analysis Batch: 5071

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4861

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.050	mg/Kg		05/13/24 14:02	05/14/24 18:05	1
Toluene	ND		0.050	mg/Kg		05/13/24 14:02	05/14/24 18:05	1
Xylenes, Total	ND		0.10	mg/Kg		05/13/24 14:02	05/14/24 18:05	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	86		48 - 145	05/13/24 14:02	05/14/24 18:05	1

Lab Sample ID: LCS 885-4861/3-A
Matrix: Solid
Analysis Batch: 5071

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	0.940		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.946		mg/Kg		95	70 - 130
Toluene	1.00	0.930		mg/Kg		93	70 - 130
o-Xylene	1.00	0.936		mg/Kg		94	70 - 130
m,p-Xylene	2.00	1.88		mg/Kg		94	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	89		48 - 145

Lab Sample ID: 885-4284-13 MS
Matrix: Solid
Analysis Batch: 5071

Client Sample ID: PWA-23
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		1.00	0.989		mg/Kg		99	70 - 130
Ethylbenzene	ND		1.00	1.02		mg/Kg		102	70 - 130
Toluene	ND		1.00	0.998		mg/Kg		100	70 - 130
o-Xylene	ND		1.00	1.01		mg/Kg		101	70 - 130
m,p-Xylene	ND		2.00	2.02		mg/Kg		101	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	90		48 - 145

Lab Sample ID: 885-4284-13 MSD
Matrix: Solid
Analysis Batch: 5071

Client Sample ID: PWA-23
Prep Type: Total/NA
Prep Batch: 4861

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
Benzene	ND		0.940	0.895		mg/Kg		95	70 - 130	10	20
Ethylbenzene	ND		0.940	0.928		mg/Kg		99	70 - 130	9	20
Toluene	ND		0.940	0.898		mg/Kg		96	70 - 130	11	20
o-Xylene	ND		0.940	0.926		mg/Kg		99	70 - 130	9	20
m,p-Xylene	ND		1.88	1.85		mg/Kg		98	70 - 130	9	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-4284-13 MSD
 Matrix: Solid
 Analysis Batch: 5071

Client Sample ID: PWA-23
 Prep Type: Total/NA
 Prep Batch: 4861

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	88		48 - 145

Lab Sample ID: MB 885-5175/1-A
 Matrix: Solid
 Analysis Batch: 5338

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Ethylbenzene	ND		0.050	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Toluene	ND		0.050	mg/Kg		05/17/24 09:52	05/17/24 11:25	1
Xylenes, Total	ND		0.10	mg/Kg		05/17/24 09:52	05/17/24 11:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145	05/17/24 09:52	05/17/24 11:25	1

Lab Sample ID: LCS 885-5175/3-A
 Matrix: Solid
 Analysis Batch: 5338

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5175

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.840		mg/Kg		84	70 - 130
Ethylbenzene	1.00	0.840		mg/Kg		84	70 - 130
Toluene	1.00	0.815		mg/Kg		82	70 - 130
o-Xylene	1.00	0.838		mg/Kg		84	70 - 130
m,p-Xylene	2.00	1.71		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	91		48 - 145

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-4955/1-A
 Matrix: Solid
 Analysis Batch: 4985

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4955

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/14/24 11:27	05/14/24 13:33	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/14/24 11:27	05/14/24 13:33	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134	05/14/24 11:27	05/14/24 13:33	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-4955/2-A
Matrix: Solid
Analysis Batch: 5045

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 4955

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	53.5		mg/Kg		107	60 - 135
Surrogate	%Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	114		62 - 134				

Lab Sample ID: MB 885-5020/1-A
Matrix: Solid
Analysis Batch: 5138

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5020

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/15/24 10:57	05/16/24 09:56	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/15/24 10:57	05/16/24 09:56	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			05/15/24 10:57	05/16/24 09:56	1

Lab Sample ID: LCS 885-5020/2-A
Matrix: Solid
Analysis Batch: 5138

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5020

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	47.5		mg/Kg		95	60 - 135
Surrogate	%Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	106		62 - 134				

Lab Sample ID: 885-4284-11 MS
Matrix: Solid
Analysis Batch: 5138

Client Sample ID: PWA-21
Prep Type: Total/NA
Prep Batch: 5020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.1	36.9		mg/Kg		80	44 - 136
Surrogate	%Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	85		62 - 134						

Lab Sample ID: 885-4284-11 MSD
Matrix: Solid
Analysis Batch: 5138

Client Sample ID: PWA-21
Prep Type: Total/NA
Prep Batch: 5020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.0	33.3		mg/Kg		71	44 - 136	10	32

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-4284-11 MSD
 Matrix: Solid
 Analysis Batch: 5138

Client Sample ID: PWA-21
 Prep Type: Total/NA
 Prep Batch: 5020

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	73		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-4899/1-A
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/14/24 07:30	05/14/24 08:52	1

Lab Sample ID: LCS 885-4899/2-A
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.3		mg/Kg		94	90 - 110

Lab Sample ID: 885-4284-10 MS
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PWA-20
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	160		30.1	207	4	mg/Kg		155	50 - 150

Lab Sample ID: 885-4284-10 MSD
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PWA-20
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	160		29.9	206	4	mg/Kg		152	50 - 150	1	20

Lab Sample ID: 885-4284-11 MS
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PWA-21
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190		30.2	226	4	mg/Kg		120	50 - 150

Lab Sample ID: 885-4284-11 MSD
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PWA-21
 Prep Type: Total/NA
 Prep Batch: 4899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		30.1	197	4	mg/Kg		24	50 - 150	14	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-4912/1-A
 Matrix: Solid
 Analysis Batch: 5006

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4912

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/14/24 08:19	05/14/24 09:02	1

Lab Sample ID: LCS 885-4912/2-A
 Matrix: Solid
 Analysis Batch: 5006

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 4912

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.5		mg/Kg		98	90 - 110

Lab Sample ID: MB 885-4979/1-A
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		05/14/24 16:00	05/14/24 16:30	1

Lab Sample ID: LCS 885-4979/2-A
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	13.8		mg/Kg		92	90 - 110

Lab Sample ID: 885-4284-17 MS
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PBA-16
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140	F2	30.0	242	4	mg/Kg		336	50 - 150

Lab Sample ID: 885-4284-17 MSD
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PBA-16
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140	F2	29.8	173	4 F2	mg/Kg		106	50 - 150	33	20

Lab Sample ID: 885-4284-18 MS
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PBA-17
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	180	F2	30.0	169	4	mg/Kg		-26	50 - 150

Lab Sample ID: 885-4284-18 MSD
 Matrix: Solid
 Analysis Batch: 5015

Client Sample ID: PBA-17
 Prep Type: Total/NA
 Prep Batch: 4979

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	180	F2	30.2	210	4 F2	mg/Kg		108	50 - 150	21	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-5006/65
 Matrix: Solid
 Analysis Batch: 5006

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			05/14/24 18:25	1

Lab Sample ID: MRL 885-5006/64
 Matrix: Solid
 Analysis Batch: 5006

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.540		mg/L		108	50 - 150

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

GC VOA

Prep Batch: 4852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	5030C	
885-4284-2	PWA-12	Total/NA	Solid	5030C	
885-4284-3	PWA-13	Total/NA	Solid	5030C	
885-4284-4	PWA-14	Total/NA	Solid	5030C	
885-4284-5	PWA-15	Total/NA	Solid	5030C	
885-4284-6	PWA-16	Total/NA	Solid	5030C	
885-4284-7	PWA-17	Total/NA	Solid	5030C	
885-4284-8	PWA-18	Total/NA	Solid	5030C	
885-4284-9	PWA-19	Total/NA	Solid	5030C	
885-4284-10	PWA-20	Total/NA	Solid	5030C	
885-4284-11	PWA-21	Total/NA	Solid	5030C	
MB 885-4852/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-4852/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-4852/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 4861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	5030C	
885-4284-13	PWA-23	Total/NA	Solid	5030C	
885-4284-14	PWA-24	Total/NA	Solid	5030C	
885-4284-15	PWA-25	Total/NA	Solid	5030C	
885-4284-16	PWA-26	Total/NA	Solid	5030C	
885-4284-17	PBA-16	Total/NA	Solid	5030C	
885-4284-18	PBA-17	Total/NA	Solid	5030C	
885-4284-19	PBA-18	Total/NA	Solid	5030C	
885-4284-20	PBA-19	Total/NA	Solid	5030C	
885-4284-21	PBA-20	Total/NA	Solid	5030C	
885-4284-22	PBA-21	Total/NA	Solid	5030C	
885-4284-23	PBA-22	Total/NA	Solid	5030C	
885-4284-24	PBA-23	Total/NA	Solid	5030C	
885-4284-25	PBA-24	Total/NA	Solid	5030C	
885-4284-26	PBA-25	Total/NA	Solid	5030C	
885-4284-27	PBA-26	Total/NA	Solid	5030C	
885-4284-28	PBA-27	Total/NA	Solid	5030C	
MB 885-4861/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-4861/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-4861/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-4284-12 MS	PWA-22	Total/NA	Solid	5030C	
885-4284-12 MSD	PWA-22	Total/NA	Solid	5030C	
885-4284-13 MS	PWA-23	Total/NA	Solid	5030C	
885-4284-13 MSD	PWA-23	Total/NA	Solid	5030C	

Analysis Batch: 5069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	8015D	4861
885-4284-13	PWA-23	Total/NA	Solid	8015D	4861
885-4284-14	PWA-24	Total/NA	Solid	8015D	4861
885-4284-15	PWA-25	Total/NA	Solid	8015D	4861
885-4284-16	PWA-26	Total/NA	Solid	8015D	4861
885-4284-17	PBA-16	Total/NA	Solid	8015D	4861
885-4284-18	PBA-17	Total/NA	Solid	8015D	4861

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4284-1

GC VOA (Continued)

Analysis Batch: 5069 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-19	PBA-18	Total/NA	Solid	8015D	4861
885-4284-20	PBA-19	Total/NA	Solid	8015D	4861
885-4284-21	PBA-20	Total/NA	Solid	8015D	4861
885-4284-22	PBA-21	Total/NA	Solid	8015D	4861
885-4284-23	PBA-22	Total/NA	Solid	8015D	4861
885-4284-24	PBA-23	Total/NA	Solid	8015D	4861
885-4284-25	PBA-24	Total/NA	Solid	8015D	4861
885-4284-26	PBA-25	Total/NA	Solid	8015D	4861
885-4284-27	PBA-26	Total/NA	Solid	8015D	4861
885-4284-28	PBA-27	Total/NA	Solid	8015D	4861
MB 885-4861/1-A	Method Blank	Total/NA	Solid	8015D	4861
LCS 885-4861/2-A	Lab Control Sample	Total/NA	Solid	8015D	4861
885-4284-12 MS	PWA-22	Total/NA	Solid	8015D	4861
885-4284-12 MSD	PWA-22	Total/NA	Solid	8015D	4861

Analysis Batch: 5071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	8021B	4861
885-4284-13	PWA-23	Total/NA	Solid	8021B	4861
885-4284-14	PWA-24	Total/NA	Solid	8021B	4861
885-4284-15	PWA-25	Total/NA	Solid	8021B	4861
885-4284-16	PWA-26	Total/NA	Solid	8021B	4861
885-4284-17	PBA-16	Total/NA	Solid	8021B	4861
885-4284-18	PBA-17	Total/NA	Solid	8021B	4861
885-4284-19	PBA-18	Total/NA	Solid	8021B	4861
885-4284-20	PBA-19	Total/NA	Solid	8021B	4861
885-4284-21	PBA-20	Total/NA	Solid	8021B	4861
885-4284-22	PBA-21	Total/NA	Solid	8021B	4861
885-4284-23	PBA-22	Total/NA	Solid	8021B	4861
885-4284-24	PBA-23	Total/NA	Solid	8021B	4861
885-4284-25	PBA-24	Total/NA	Solid	8021B	4861
885-4284-26	PBA-25	Total/NA	Solid	8021B	4861
885-4284-27	PBA-26	Total/NA	Solid	8021B	4861
885-4284-28	PBA-27	Total/NA	Solid	8021B	4861
MB 885-4861/1-A	Method Blank	Total/NA	Solid	8021B	4861
LCS 885-4861/3-A	Lab Control Sample	Total/NA	Solid	8021B	4861
885-4284-13 MS	PWA-23	Total/NA	Solid	8021B	4861
885-4284-13 MSD	PWA-23	Total/NA	Solid	8021B	4861

Prep Batch: 5175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-5175/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-5175/3-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 5337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	8015D	4852
885-4284-2	PWA-12	Total/NA	Solid	8015D	4852
885-4284-3	PWA-13	Total/NA	Solid	8015D	4852
885-4284-4	PWA-14	Total/NA	Solid	8015D	4852
885-4284-5	PWA-15	Total/NA	Solid	8015D	4852

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

GC VOA (Continued)

Analysis Batch: 5337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-6	PWA-16	Total/NA	Solid	8015D	4852
885-4284-7	PWA-17	Total/NA	Solid	8015D	4852
885-4284-8	PWA-18	Total/NA	Solid	8015D	4852
885-4284-9	PWA-19	Total/NA	Solid	8015D	4852
885-4284-10	PWA-20	Total/NA	Solid	8015D	4852
885-4284-11	PWA-21	Total/NA	Solid	8015D	4852
MB 885-4852/1-A	Method Blank	Total/NA	Solid	8015D	4852
LCS 885-4852/2-A	Lab Control Sample	Total/NA	Solid	8015D	4852

Analysis Batch: 5338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	8021B	4852
885-4284-2	PWA-12	Total/NA	Solid	8021B	4852
885-4284-3	PWA-13	Total/NA	Solid	8021B	4852
885-4284-4	PWA-14	Total/NA	Solid	8021B	4852
885-4284-5	PWA-15	Total/NA	Solid	8021B	4852
885-4284-6	PWA-16	Total/NA	Solid	8021B	4852
885-4284-7	PWA-17	Total/NA	Solid	8021B	4852
885-4284-8	PWA-18	Total/NA	Solid	8021B	4852
885-4284-9	PWA-19	Total/NA	Solid	8021B	4852
885-4284-10	PWA-20	Total/NA	Solid	8021B	4852
885-4284-11	PWA-21	Total/NA	Solid	8021B	4852
MB 885-4852/1-A	Method Blank	Total/NA	Solid	8021B	4852
MB 885-5175/1-A	Method Blank	Total/NA	Solid	8021B	5175
LCS 885-4852/3-A	Lab Control Sample	Total/NA	Solid	8021B	4852
LCS 885-5175/3-A	Lab Control Sample	Total/NA	Solid	8021B	5175

GC Semi VOA

Prep Batch: 4955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	SHAKE	
885-4284-13	PWA-23	Total/NA	Solid	SHAKE	
885-4284-14	PWA-24	Total/NA	Solid	SHAKE	
885-4284-15	PWA-25	Total/NA	Solid	SHAKE	
885-4284-16	PWA-26	Total/NA	Solid	SHAKE	
885-4284-17	PBA-16	Total/NA	Solid	SHAKE	
885-4284-18	PBA-17	Total/NA	Solid	SHAKE	
885-4284-19	PBA-18	Total/NA	Solid	SHAKE	
885-4284-20	PBA-19	Total/NA	Solid	SHAKE	
885-4284-21	PBA-20	Total/NA	Solid	SHAKE	
885-4284-22	PBA-21	Total/NA	Solid	SHAKE	
885-4284-23	PBA-22	Total/NA	Solid	SHAKE	
885-4284-24	PBA-23	Total/NA	Solid	SHAKE	
885-4284-25	PBA-24	Total/NA	Solid	SHAKE	
885-4284-26	PBA-25	Total/NA	Solid	SHAKE	
885-4284-27	PBA-26	Total/NA	Solid	SHAKE	
885-4284-28	PBA-27	Total/NA	Solid	SHAKE	
MB 885-4955/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-4955/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

GC Semi VOA

Analysis Batch: 4985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	8015D	4955
885-4284-13	PWA-23	Total/NA	Solid	8015D	4955
885-4284-14	PWA-24	Total/NA	Solid	8015D	4955
885-4284-15	PWA-25	Total/NA	Solid	8015D	4955
885-4284-17	PBA-16	Total/NA	Solid	8015D	4955
885-4284-18	PBA-17	Total/NA	Solid	8015D	4955
885-4284-20	PBA-19	Total/NA	Solid	8015D	4955
885-4284-21	PBA-20	Total/NA	Solid	8015D	4955
885-4284-22	PBA-21	Total/NA	Solid	8015D	4955
885-4284-24	PBA-23	Total/NA	Solid	8015D	4955
885-4284-25	PBA-24	Total/NA	Solid	8015D	4955
885-4284-26	PBA-25	Total/NA	Solid	8015D	4955
885-4284-27	PBA-26	Total/NA	Solid	8015D	4955
885-4284-28	PBA-27	Total/NA	Solid	8015D	4955
MB 885-4955/1-A	Method Blank	Total/NA	Solid	8015D	4955

Prep Batch: 5020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	SHAKE	
885-4284-2	PWA-12	Total/NA	Solid	SHAKE	
885-4284-3	PWA-13	Total/NA	Solid	SHAKE	
885-4284-4	PWA-14	Total/NA	Solid	SHAKE	
885-4284-5	PWA-15	Total/NA	Solid	SHAKE	
885-4284-6	PWA-16	Total/NA	Solid	SHAKE	
885-4284-7	PWA-17	Total/NA	Solid	SHAKE	
885-4284-8	PWA-18	Total/NA	Solid	SHAKE	
885-4284-9	PWA-19	Total/NA	Solid	SHAKE	
885-4284-10	PWA-20	Total/NA	Solid	SHAKE	
885-4284-11	PWA-21	Total/NA	Solid	SHAKE	
MB 885-5020/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5020/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-4284-11 MS	PWA-21	Total/NA	Solid	SHAKE	
885-4284-11 MSD	PWA-21	Total/NA	Solid	SHAKE	

Analysis Batch: 5045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-16	PWA-26	Total/NA	Solid	8015D	4955
885-4284-19	PBA-18	Total/NA	Solid	8015D	4955
885-4284-23	PBA-22	Total/NA	Solid	8015D	4955
LCS 885-4955/2-A	Lab Control Sample	Total/NA	Solid	8015D	4955

Analysis Batch: 5138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	8015D	5020
885-4284-2	PWA-12	Total/NA	Solid	8015D	5020
885-4284-3	PWA-13	Total/NA	Solid	8015D	5020
885-4284-4	PWA-14	Total/NA	Solid	8015D	5020
885-4284-5	PWA-15	Total/NA	Solid	8015D	5020
885-4284-6	PWA-16	Total/NA	Solid	8015D	5020
885-4284-7	PWA-17	Total/NA	Solid	8015D	5020
885-4284-8	PWA-18	Total/NA	Solid	8015D	5020

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4284-1

GC Semi VOA (Continued)

Analysis Batch: 5138 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-9	PWA-19	Total/NA	Solid	8015D	5020
885-4284-10	PWA-20	Total/NA	Solid	8015D	5020
885-4284-11	PWA-21	Total/NA	Solid	8015D	5020
MB 885-5020/1-A	Method Blank	Total/NA	Solid	8015D	5020
LCS 885-5020/2-A	Lab Control Sample	Total/NA	Solid	8015D	5020
885-4284-11 MS	PWA-21	Total/NA	Solid	8015D	5020
885-4284-11 MSD	PWA-21	Total/NA	Solid	8015D	5020

HPLC/IC

Prep Batch: 4899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	300_Prep	
885-4284-2	PWA-12	Total/NA	Solid	300_Prep	
885-4284-3	PWA-13	Total/NA	Solid	300_Prep	
885-4284-4	PWA-14	Total/NA	Solid	300_Prep	
885-4284-5	PWA-15	Total/NA	Solid	300_Prep	
885-4284-6	PWA-16	Total/NA	Solid	300_Prep	
885-4284-7	PWA-17	Total/NA	Solid	300_Prep	
885-4284-8	PWA-18	Total/NA	Solid	300_Prep	
885-4284-9	PWA-19	Total/NA	Solid	300_Prep	
885-4284-10	PWA-20	Total/NA	Solid	300_Prep	
885-4284-11	PWA-21	Total/NA	Solid	300_Prep	
MB 885-4899/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-4899/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-4284-10 MS	PWA-20	Total/NA	Solid	300_Prep	
885-4284-10 MSD	PWA-20	Total/NA	Solid	300_Prep	
885-4284-11 MS	PWA-21	Total/NA	Solid	300_Prep	
885-4284-11 MSD	PWA-21	Total/NA	Solid	300_Prep	

Prep Batch: 4912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	300_Prep	
885-4284-13	PWA-23	Total/NA	Solid	300_Prep	
885-4284-14	PWA-24	Total/NA	Solid	300_Prep	
885-4284-15	PWA-25	Total/NA	Solid	300_Prep	
885-4284-16	PWA-26	Total/NA	Solid	300_Prep	
MB 885-4912/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-4912/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 4979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-17	PBA-16	Total/NA	Solid	300_Prep	
885-4284-18	PBA-17	Total/NA	Solid	300_Prep	
885-4284-19	PBA-18	Total/NA	Solid	300_Prep	
885-4284-20	PBA-19	Total/NA	Solid	300_Prep	
885-4284-21	PBA-20	Total/NA	Solid	300_Prep	
885-4284-22	PBA-21	Total/NA	Solid	300_Prep	
885-4284-23	PBA-22	Total/NA	Solid	300_Prep	
885-4284-24	PBA-23	Total/NA	Solid	300_Prep	
885-4284-25	PBA-24	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

HPLC/IC (Continued)

Prep Batch: 4979 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-26	PBA-25	Total/NA	Solid	300_Prep	
885-4284-27	PBA-26	Total/NA	Solid	300_Prep	
885-4284-28	PBA-27	Total/NA	Solid	300_Prep	
MB 885-4979/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-4979/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-4284-17 MS	PBA-16	Total/NA	Solid	300_Prep	
885-4284-17 MSD	PBA-16	Total/NA	Solid	300_Prep	
885-4284-18 MS	PBA-17	Total/NA	Solid	300_Prep	
885-4284-18 MSD	PBA-17	Total/NA	Solid	300_Prep	

Analysis Batch: 5006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-12	PWA-22	Total/NA	Solid	300.0	4912
885-4284-13	PWA-23	Total/NA	Solid	300.0	4912
885-4284-14	PWA-24	Total/NA	Solid	300.0	4912
885-4284-15	PWA-25	Total/NA	Solid	300.0	4912
885-4284-16	PWA-26	Total/NA	Solid	300.0	4912
MB 885-4912/1-A	Method Blank	Total/NA	Solid	300.0	4912
MB 885-5006/65	Method Blank	Total/NA	Solid	300.0	
LCS 885-4912/2-A	Lab Control Sample	Total/NA	Solid	300.0	4912
MRL 885-5006/64	Lab Control Sample	Total/NA	Solid	300.0	

Analysis Batch: 5015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-1	PWA-11	Total/NA	Solid	300.0	4899
885-4284-2	PWA-12	Total/NA	Solid	300.0	4899
885-4284-3	PWA-13	Total/NA	Solid	300.0	4899
885-4284-4	PWA-14	Total/NA	Solid	300.0	4899
885-4284-5	PWA-15	Total/NA	Solid	300.0	4899
885-4284-6	PWA-16	Total/NA	Solid	300.0	4899
885-4284-7	PWA-17	Total/NA	Solid	300.0	4899
885-4284-8	PWA-18	Total/NA	Solid	300.0	4899
885-4284-9	PWA-19	Total/NA	Solid	300.0	4899
885-4284-10	PWA-20	Total/NA	Solid	300.0	4899
885-4284-11	PWA-21	Total/NA	Solid	300.0	4899
885-4284-17	PBA-16	Total/NA	Solid	300.0	4979
885-4284-18	PBA-17	Total/NA	Solid	300.0	4979
885-4284-19	PBA-18	Total/NA	Solid	300.0	4979
885-4284-20	PBA-19	Total/NA	Solid	300.0	4979
885-4284-21	PBA-20	Total/NA	Solid	300.0	4979
885-4284-22	PBA-21	Total/NA	Solid	300.0	4979
885-4284-23	PBA-22	Total/NA	Solid	300.0	4979
885-4284-24	PBA-23	Total/NA	Solid	300.0	4979
885-4284-25	PBA-24	Total/NA	Solid	300.0	4979
885-4284-26	PBA-25	Total/NA	Solid	300.0	4979
885-4284-27	PBA-26	Total/NA	Solid	300.0	4979
885-4284-28	PBA-27	Total/NA	Solid	300.0	4979
MB 885-4899/1-A	Method Blank	Total/NA	Solid	300.0	4899
MB 885-4979/1-A	Method Blank	Total/NA	Solid	300.0	4979
LCS 885-4899/2-A	Lab Control Sample	Total/NA	Solid	300.0	4899
LCS 885-4979/2-A	Lab Control Sample	Total/NA	Solid	300.0	4979

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4284-1

HPLC/IC (Continued)

Analysis Batch: 5015 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4284-10 MS	PWA-20	Total/NA	Solid	300.0	4899
885-4284-10 MSD	PWA-20	Total/NA	Solid	300.0	4899
885-4284-11 MS	PWA-21	Total/NA	Solid	300.0	4899
885-4284-11 MSD	PWA-21	Total/NA	Solid	300.0	4899
885-4284-17 MS	PBA-16	Total/NA	Solid	300.0	4979
885-4284-17 MSD	PBA-16	Total/NA	Solid	300.0	4979
885-4284-18 MS	PBA-17	Total/NA	Solid	300.0	4979
885-4284-18 MSD	PBA-17	Total/NA	Solid	300.0	4979

- 1
- 2
- 3
- 4
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- 10
- 11

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-11

Lab Sample ID: 885-4284-1

Date Collected: 05/08/24 09:10

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 05:22
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 05:22
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 13:56
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 12:13

Client Sample ID: PWA-12

Lab Sample ID: 885-4284-2

Date Collected: 05/08/24 09:12

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 06:32
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 06:32
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 14:07
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 12:28

Client Sample ID: PWA-13

Lab Sample ID: 885-4284-3

Date Collected: 05/08/24 09:20

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 06:55
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 06:55
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 14:18
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 12:43

Client Sample ID: PWA-14

Lab Sample ID: 885-4284-4

Date Collected: 05/08/24 09:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 07:19

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-14

Lab Sample ID: 885-4284-4

Date Collected: 05/08/24 09:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 07:19
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 14:29
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 12:58

Client Sample ID: PWA-15

Lab Sample ID: 885-4284-5

Date Collected: 05/08/24 09:28

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 07:43
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 07:43
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 14:39
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 13:13

Client Sample ID: PWA-16

Lab Sample ID: 885-4284-6

Date Collected: 05/08/24 09:38

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 08:06
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 08:06
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 14:50
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 13:28

Client Sample ID: PWA-17

Lab Sample ID: 885-4284-7

Date Collected: 05/08/24 09:40

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 08:30
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 08:30

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-17

Lab Sample ID: 885-4284-7

Date Collected: 05/08/24 09:40

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 15:01
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 13:43

Client Sample ID: PWA-18

Lab Sample ID: 885-4284-8

Date Collected: 05/08/24 09:42

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 08:54
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 08:54
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 15:34
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 13:59

Client Sample ID: PWA-19

Lab Sample ID: 885-4284-9

Date Collected: 05/08/24 09:56

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 09:17
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 09:17
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 15:45
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 14:14

Client Sample ID: PWA-20

Lab Sample ID: 885-4284-10

Date Collected: 05/08/24 09:58

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 09:41
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 09:41
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 15:56

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-20

Lab Sample ID: 885-4284-10

Date Collected: 05/08/24 09:58

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 14:59

Client Sample ID: PWA-21

Lab Sample ID: 885-4284-11

Date Collected: 05/08/24 10:10

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8015D		1	5337	JP	EET ALB	05/18/24 10:05
Total/NA	Prep	5030C			4852	JP	EET ALB	05/13/24 13:12
Total/NA	Analysis	8021B		1	5338	JP	EET ALB	05/18/24 10:05
Total/NA	Prep	SHAKE			5020	DH	EET ALB	05/15/24 10:57
Total/NA	Analysis	8015D		1	5138	DH	EET ALB	05/16/24 16:07
Total/NA	Prep	300_Prep			4899	JT	EET ALB	05/14/24 07:30
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 15:45

Client Sample ID: PWA-22

Lab Sample ID: 885-4284-12

Date Collected: 05/08/24 10:20

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 18:26
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 18:26
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 16:11
Total/NA	Prep	300_Prep			4912	JT	EET ALB	05/14/24 08:19
Total/NA	Analysis	300.0		20	5006	SS	EET ALB	05/14/24 17:11

Client Sample ID: PWA-23

Lab Sample ID: 885-4284-13

Date Collected: 05/08/24 10:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 19:32
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 19:32
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 16:21
Total/NA	Prep	300_Prep			4912	JT	EET ALB	05/14/24 08:19
Total/NA	Analysis	300.0		20	5006	SS	EET ALB	05/14/24 17:23

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PWA-24

Lab Sample ID: 885-4284-14

Date Collected: 05/08/24 10:26

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 20:37
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 20:37
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 16:32
Total/NA	Prep	300_Prep			4912	JT	EET ALB	05/14/24 08:19
Total/NA	Analysis	300.0		20	5006	SS	EET ALB	05/14/24 17:35

Client Sample ID: PWA-25

Lab Sample ID: 885-4284-15

Date Collected: 05/08/24 10:38

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 20:59
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 20:59
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 16:43
Total/NA	Prep	300_Prep			4912	JT	EET ALB	05/14/24 08:19
Total/NA	Analysis	300.0		20	5006	SS	EET ALB	05/14/24 17:48

Client Sample ID: PWA-26

Lab Sample ID: 885-4284-16

Date Collected: 05/08/24 10:40

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 21:20
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 21:20
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	5045	JU	EET ALB	05/15/24 12:14
Total/NA	Prep	300_Prep			4912	JT	EET ALB	05/14/24 08:19
Total/NA	Analysis	300.0		20	5006	SS	EET ALB	05/14/24 18:00

Client Sample ID: PBA-16

Lab Sample ID: 885-4284-17

Date Collected: 05/08/24 13:10

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 21:42

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-16

Lab Sample ID: 885-4284-17

Date Collected: 05/08/24 13:10

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 21:42
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 17:05
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 17:00

Client Sample ID: PBA-17

Lab Sample ID: 885-4284-18

Date Collected: 05/08/24 13:14

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 22:04
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 22:04
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 17:16
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 17:16

Client Sample ID: PBA-18

Lab Sample ID: 885-4284-19

Date Collected: 05/08/24 13:20

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 22:26
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 22:26
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	5045	JU	EET ALB	05/15/24 12:38
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 19:02

Client Sample ID: PBA-19

Lab Sample ID: 885-4284-20

Date Collected: 05/08/24 13:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 22:47
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 22:47

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-19

Lab Sample ID: 885-4284-20

Date Collected: 05/08/24 13:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 17:38
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 19:17

Client Sample ID: PBA-20

Lab Sample ID: 885-4284-21

Date Collected: 05/08/24 13:28

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 23:09
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 23:09
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 17:48
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 19:32

Client Sample ID: PBA-21

Lab Sample ID: 885-4284-22

Date Collected: 05/08/24 13:40

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/14/24 23:53
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/14/24 23:53
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 17:59
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 19:47

Client Sample ID: PBA-22

Lab Sample ID: 885-4284-23

Date Collected: 05/08/24 13:42

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 00:15
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 00:15
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	5045	JU	EET ALB	05/15/24 13:02

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-22

Lab Sample ID: 885-4284-23

Date Collected: 05/08/24 13:42

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 20:02

Client Sample ID: PBA-23

Lab Sample ID: 885-4284-24

Date Collected: 05/08/24 13:48

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 00:36
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 00:36
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 18:22
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 20:17

Client Sample ID: PBA-24

Lab Sample ID: 885-4284-25

Date Collected: 05/08/24 14:10

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 00:58
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 00:58
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 18:33
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 21:03

Client Sample ID: PBA-25

Lab Sample ID: 885-4284-26

Date Collected: 05/08/24 14:14

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 01:20
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 01:20
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 18:44
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 21:18

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4284-1

Client Sample ID: PBA-26

Lab Sample ID: 885-4284-27

Date Collected: 05/08/24 14:20

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 01:41
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 01:41
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 18:55
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 21:33

Client Sample ID: PBA-27

Lab Sample ID: 885-4284-28

Date Collected: 05/08/24 14:24

Matrix: Solid

Date Received: 05/10/24 09:10

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8015D		1	5069	RA	EET ALB	05/15/24 02:03
Total/NA	Prep	5030C			4861	AT	EET ALB	05/13/24 14:02
Total/NA	Analysis	8021B		1	5071	RA	EET ALB	05/15/24 02:03
Total/NA	Prep	SHAKE			4955	JU	EET ALB	05/14/24 11:27
Total/NA	Analysis	8015D		1	4985	JU	EET ALB	05/14/24 19:07
Total/NA	Prep	300_Prep			4979	SS	EET ALB	05/14/24 16:00
Total/NA	Analysis	300.0		20	5015	SS	EET ALB	05/14/24 21:49

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4284-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-4284-1

Login Number: 4284

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 5/29/2024 11:13:46 AM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-4824-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
5/29/2024 11:13:46 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-4824-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4824-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-4824-1

Job ID: 885-4824-1

Eurofins Albuquerque

Job Narrative 885-4824-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/21/2024 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.9°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-5504 recovered above the upper control limit for Di-n-octyl phthalate (Surr). The samples associated with this CCV were in range for the affected analytes; therefore, the data have been reported. The associated samples are impacted: PS-1 (885-4824-1), PS-2 (885-4824-2), PS-3 (885-4824-3), PS-4 (885-4824-4), PS-5 (885-4824-5), PS-6 (885-4824-6), PS-7 (885-4824-7), PS-8 (885-4824-8), PS-9 (885-4824-9), PS-10 (885-4824-10), PS-11 (885-4824-11), PS-12 (885-4824-12), PS-13 (885-4824-13), PS-14 (885-4824-14), PS-15 (885-4824-15), PS-16 (885-4824-16), PS-17 (885-4824-17), PS-18 (885-4824-18), PS-19 (885-4824-19), PS-20 (885-4824-20) and (CCV 885-5504/31)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: 11th and 12th injection being reported. SOP states CCV and CCB need to be analyzed every 10 injections.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-1

Lab Sample ID: 885-4824-1

Date Collected: 05/16/24 08:50

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 09:20	05/22/24 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/22/24 18:08	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/22/24 18:08	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 09:20	05/22/24 18:08	1
Toluene	ND		0.048	mg/Kg		05/21/24 09:20	05/22/24 18:08	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 09:20	05/22/24 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/21/24 09:20	05/22/24 18:08	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/21/24 12:15	05/21/24 15:44	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/21/24 12:15	05/21/24 15:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			05/21/24 12:15	05/21/24 15:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70	F1	60	mg/Kg		05/21/24 14:11	05/21/24 16:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-2

Lab Sample ID: 885-4824-2

Date Collected: 05/16/24 08:54

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 09:20	05/22/24 19:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 19:19	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 19:19	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 19:19	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/22/24 19:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		48 - 145			05/21/24 09:20	05/22/24 19:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		05/21/24 12:15	05/21/24 15:55	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/21/24 12:15	05/21/24 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			05/21/24 12:15	05/21/24 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		05/21/24 14:11	05/21/24 16:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-3

Lab Sample ID: 885-4824-3

Date Collected: 05/16/24 09:02

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 20:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/21/24 09:20	05/22/24 20:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 20:29	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 20:29	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 20:29	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/22/24 20:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 09:20	05/22/24 20:29	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/21/24 12:15	05/21/24 16:06	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 12:15	05/21/24 16:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			05/21/24 12:15	05/21/24 16:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96		60	mg/Kg		05/21/24 14:11	05/21/24 17:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-4

Lab Sample ID: 885-4824-4

Date Collected: 05/16/24 09:04

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/22/24 20:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		35 - 166			05/21/24 09:20	05/22/24 20:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/22/24 20:53	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 20:53	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 20:53	1
Xylenes, Total	ND		0.098	mg/Kg		05/21/24 09:20	05/22/24 20:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		48 - 145			05/21/24 09:20	05/22/24 20:53	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/21/24 12:15	05/21/24 16:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 12:15	05/21/24 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			05/21/24 12:15	05/21/24 16:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		05/21/24 14:11	05/21/24 17:21	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-5

Lab Sample ID: 885-4824-5

Date Collected: 05/16/24 09:08

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 21:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 09:20	05/22/24 21:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 21:16	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 21:16	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 21:16	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/22/24 21:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		48 - 145			05/21/24 09:20	05/22/24 21:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/21/24 12:15	05/21/24 16:27	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/21/24 12:15	05/21/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			05/21/24 12:15	05/21/24 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95		60	mg/Kg		05/21/24 14:11	05/21/24 17:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-6

Lab Sample ID: 885-4824-6

Date Collected: 05/16/24 09:12

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		35 - 166			05/21/24 09:20	05/22/24 21:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 21:40	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 21:40	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 21:40	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 09:20	05/22/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/21/24 09:20	05/22/24 21:40	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/21/24 12:15	05/21/24 16:38	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 12:15	05/21/24 16:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			05/21/24 12:15	05/21/24 16:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	83		60	mg/Kg		05/21/24 14:11	05/21/24 18:22	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-7

Lab Sample ID: 885-4824-7

Date Collected: 05/16/24 09:18

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/22/24 22:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 22:03	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 22:03	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 22:03	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/22/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 09:20	05/22/24 22:03	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/21/24 12:15	05/21/24 16:49	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 12:15	05/21/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			05/21/24 12:15	05/21/24 16:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82		60	mg/Kg		05/21/24 14:11	05/21/24 18:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-8

Lab Sample ID: 885-4824-8

Date Collected: 05/16/24 09:20

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/22/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/21/24 09:20	05/22/24 22:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/22/24 22:27	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 22:27	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 22:27	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 09:20	05/22/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/21/24 09:20	05/22/24 22:27	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/21/24 12:15	05/21/24 17:00	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 12:15	05/21/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			05/21/24 12:15	05/21/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		61	mg/Kg		05/21/24 14:11	05/21/24 18:52	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-9

Lab Sample ID: 885-4824-9

Date Collected: 05/16/24 09:24

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/22/24 22:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/21/24 09:20	05/22/24 22:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/22/24 22:50	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 22:50	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 22:50	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 09:20	05/22/24 22:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/21/24 09:20	05/22/24 22:50	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/21/24 12:15	05/21/24 17:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/21/24 12:15	05/21/24 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			05/21/24 12:15	05/21/24 17:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		05/21/24 14:11	05/21/24 19:38	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-10

Lab Sample ID: 885-4824-10

Date Collected: 05/16/24 09:26

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/22/24 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/22/24 23:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/22/24 23:14	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 23:14	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/22/24 23:14	1
Xylenes, Total	ND		0.098	mg/Kg		05/21/24 09:20	05/22/24 23:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 09:20	05/22/24 23:14	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/21/24 12:15	05/21/24 17:22	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 12:15	05/21/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			05/21/24 12:15	05/21/24 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		05/21/24 14:11	05/21/24 19:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-11

Lab Sample ID: 885-4824-11

Date Collected: 05/16/24 10:00

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 09:20	05/23/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/23/24 00:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/23/24 00:01	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 09:20	05/23/24 00:01	1
Toluene	ND		0.047	mg/Kg		05/21/24 09:20	05/23/24 00:01	1
Xylenes, Total	ND		0.094	mg/Kg		05/21/24 09:20	05/23/24 00:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 09:20	05/23/24 00:01	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/21/24 12:15	05/21/24 17:33	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 12:15	05/21/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	68		62 - 134			05/21/24 12:15	05/21/24 17:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		60	mg/Kg		05/21/24 14:11	05/21/24 20:08	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-12

Lab Sample ID: 885-4824-12

Date Collected: 05/16/24 10:02

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 09:20	05/23/24 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 09:20	05/23/24 00:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/23/24 00:25	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 09:20	05/23/24 00:25	1
Toluene	ND		0.047	mg/Kg		05/21/24 09:20	05/23/24 00:25	1
Xylenes, Total	ND		0.094	mg/Kg		05/21/24 09:20	05/23/24 00:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 09:20	05/23/24 00:25	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/21/24 12:15	05/21/24 17:44	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 12:15	05/21/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			05/21/24 12:15	05/21/24 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95		60	mg/Kg		05/21/24 14:11	05/21/24 20:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-13

Lab Sample ID: 885-4824-13

Date Collected: 05/16/24 10:04

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/23/24 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 09:20	05/23/24 00:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/23/24 00:48	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/23/24 00:48	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/23/24 00:48	1
Xylenes, Total	ND		0.098	mg/Kg		05/21/24 09:20	05/23/24 00:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 09:20	05/23/24 00:48	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/21/24 12:15	05/21/24 17:55	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/21/24 12:15	05/21/24 17:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			05/21/24 12:15	05/21/24 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		05/21/24 14:11	05/21/24 20:38	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-14

Lab Sample ID: 885-4824-14

Date Collected: 05/16/24 10:10

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/23/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			05/21/24 09:20	05/23/24 01:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/23/24 01:12	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:12	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:12	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 09:20	05/23/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/21/24 09:20	05/23/24 01:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		05/21/24 12:15	05/21/24 18:06	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/21/24 12:15	05/21/24 18:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			05/21/24 12:15	05/21/24 18:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95		60	mg/Kg		05/21/24 14:11	05/21/24 21:24	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-15

Lab Sample ID: 885-4824-15

Date Collected: 05/16/24 10:16

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/23/24 01:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 09:20	05/23/24 01:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/23/24 01:35	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:35	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:35	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/23/24 01:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 09:20	05/23/24 01:35	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/21/24 12:15	05/21/24 18:17	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/21/24 12:15	05/21/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			05/21/24 12:15	05/21/24 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		60	mg/Kg		05/21/24 14:11	05/21/24 21:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-16

Lab Sample ID: 885-4824-16

Date Collected: 05/16/24 10:20

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/23/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/21/24 09:20	05/23/24 01:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/23/24 01:59	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:59	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 01:59	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 09:20	05/23/24 01:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 09:20	05/23/24 01:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/21/24 12:15	05/21/24 18:29	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/21/24 12:15	05/21/24 18:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			05/21/24 12:15	05/21/24 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		05/21/24 14:11	05/21/24 21:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-17

Lab Sample ID: 885-4824-17

Date Collected: 05/16/24 10:26

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/23/24 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 09:20	05/23/24 02:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/23/24 02:23	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 02:23	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/23/24 02:23	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 09:20	05/23/24 02:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 09:20	05/23/24 02:23	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/21/24 12:15	05/21/24 18:40	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 12:15	05/21/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			05/21/24 12:15	05/21/24 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	740		60	mg/Kg		05/21/24 14:11	05/21/24 22:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-18

Lab Sample ID: 885-4824-18

Date Collected: 05/16/24 10:30

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 09:20	05/23/24 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/23/24 02:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/23/24 02:46	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 09:20	05/23/24 02:46	1
Toluene	ND		0.049	mg/Kg		05/21/24 09:20	05/23/24 02:46	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 09:20	05/23/24 02:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 09:20	05/23/24 02:46	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/21/24 12:15	05/21/24 18:51	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 12:15	05/21/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			05/21/24 12:15	05/21/24 18:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		05/21/24 14:11	05/21/24 22:25	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-19

Lab Sample ID: 885-4824-19

Date Collected: 05/16/24 10:34

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 09:20	05/23/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 09:20	05/23/24 03:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/23/24 03:10	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 09:20	05/23/24 03:10	1
Toluene	ND		0.048	mg/Kg		05/21/24 09:20	05/23/24 03:10	1
Xylenes, Total	ND		0.096	mg/Kg		05/21/24 09:20	05/23/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 09:20	05/23/24 03:10	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/21/24 12:15	05/21/24 19:03	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 12:15	05/21/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			05/21/24 12:15	05/21/24 19:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		05/21/24 14:11	05/21/24 22:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-20

Lab Sample ID: 885-4824-20

Date Collected: 05/16/24 10:38

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 09:20	05/23/24 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 09:20	05/23/24 03:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 09:20	05/23/24 03:33	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 09:20	05/23/24 03:33	1
Toluene	ND		0.048	mg/Kg		05/21/24 09:20	05/23/24 03:33	1
Xylenes, Total	ND		0.096	mg/Kg		05/21/24 09:20	05/23/24 03:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 09:20	05/23/24 03:33	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/21/24 12:15	05/21/24 19:14	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/21/24 12:15	05/21/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			05/21/24 12:15	05/21/24 19:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		60	mg/Kg		05/21/24 14:11	05/21/24 22:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-21

Lab Sample ID: 885-4824-21

Date Collected: 05/16/24 13:10

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/23/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/23/24 20:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/23/24 20:01	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 20:01	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 20:01	1
Xylenes, Total	ND		0.098	mg/Kg		05/21/24 11:04	05/23/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 11:04	05/23/24 20:01	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/21/24 14:34	05/22/24 13:09	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/21/24 14:34	05/22/24 13:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			05/21/24 14:34	05/22/24 13:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 08:33	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-22

Lab Sample ID: 885-4824-22

Date Collected: 05/16/24 13:14

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/23/24 21:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/23/24 21:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/23/24 21:11	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 21:11	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 21:11	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 11:04	05/23/24 21:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 11:04	05/23/24 21:11	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/21/24 14:34	05/22/24 13:20	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 14:34	05/22/24 13:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			05/21/24 14:34	05/22/24 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		05/22/24 06:56	05/22/24 09:10	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-23

Lab Sample ID: 885-4824-23

Date Collected: 05/16/24 13:20

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/23/24 22:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/23/24 22:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/23/24 22:45	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 22:45	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/23/24 22:45	1
Xylenes, Total	ND		0.098	mg/Kg		05/21/24 11:04	05/23/24 22:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 11:04	05/23/24 22:45	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	24		9.4	mg/Kg		05/21/24 14:34	05/24/24 10:38	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 14:34	05/24/24 10:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			05/21/24 14:34	05/24/24 10:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 09:22	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-24

Lab Sample ID: 885-4824-24

Date Collected: 05/16/24 13:26

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/23/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/21/24 11:04	05/23/24 23:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/23/24 23:09	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/23/24 23:09	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/23/24 23:09	1
Xylenes, Total	ND		0.096	mg/Kg		05/21/24 11:04	05/23/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/21/24 11:04	05/23/24 23:09	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		05/24/24 14:07	05/28/24 13:59	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/24/24 14:07	05/28/24 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			05/24/24 14:07	05/28/24 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 09:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-25

Lab Sample ID: 885-4824-25

Date Collected: 05/16/24 13:30

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 11:04	05/23/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			05/21/24 11:04	05/23/24 23:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/23/24 23:33	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 11:04	05/23/24 23:33	1
Toluene	ND		0.047	mg/Kg		05/21/24 11:04	05/23/24 23:33	1
Xylenes, Total	ND		0.095	mg/Kg		05/21/24 11:04	05/23/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		48 - 145			05/21/24 11:04	05/23/24 23:33	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/21/24 14:34	05/22/24 13:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 14:34	05/22/24 13:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			05/21/24 14:34	05/22/24 13:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		05/22/24 06:56	05/22/24 09:47	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-26

Lab Sample ID: 885-4824-26

Date Collected: 05/16/24 13:32

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/23/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/21/24 11:04	05/23/24 23:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/23/24 23:56	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/23/24 23:56	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/23/24 23:56	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/23/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/23/24 23:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		05/24/24 14:07	05/28/24 14:12	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/24/24 14:07	05/28/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			05/24/24 14:07	05/28/24 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		05/22/24 06:56	05/22/24 09:59	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-27

Lab Sample ID: 885-4824-27

Date Collected: 05/16/24 13:36

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 11:04	05/24/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/24/24 00:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/24/24 00:20	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 00:20	1
Toluene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 00:20	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 11:04	05/24/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/24/24 00:20	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/24/24 14:07	05/28/24 14:24	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/24/24 14:07	05/28/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			05/24/24 14:07	05/28/24 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 10:12	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-28

Lab Sample ID: 885-4824-28

Date Collected: 05/16/24 13:40

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/24/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 00:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/24/24 00:43	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 00:43	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 00:43	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 11:04	05/24/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 00:43	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		05/21/24 14:34	05/22/24 14:24	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/21/24 14:34	05/22/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			05/21/24 14:34	05/22/24 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		59	mg/Kg		05/22/24 06:56	05/22/24 10:24	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-29

Lab Sample ID: 885-4824-29

Date Collected: 05/16/24 13:42

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/24/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 01:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 01:06	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 01:06	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 01:06	1
Xylenes, Total	ND		0.096	mg/Kg		05/21/24 11:04	05/24/24 01:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/24/24 01:06	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		05/24/24 14:07	05/28/24 14:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/24/24 14:07	05/28/24 14:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			05/24/24 14:07	05/28/24 14:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 11:01	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-30

Lab Sample ID: 885-4824-30

Date Collected: 05/16/24 13:48

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 11:04	05/24/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 01:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/24/24 01:30	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 01:30	1
Toluene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 01:30	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 11:04	05/24/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/24/24 01:30	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/21/24 14:34	05/24/24 12:38	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 14:34	05/24/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	64		62 - 134			05/21/24 14:34	05/24/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 11:13	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-31

Lab Sample ID: 885-4824-31

Date Collected: 05/16/24 14:00

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/24/24 02:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 02:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 02:16	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 02:16	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 02:16	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/24/24 02:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 02:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/21/24 14:34	05/22/24 14:57	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/21/24 14:34	05/22/24 14:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			05/21/24 14:34	05/22/24 14:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 11:50	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-32

Lab Sample ID: 885-4824-32

Date Collected: 05/16/24 14:10

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 11:04	05/24/24 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 11:04	05/24/24 02:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 02:40	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 02:40	1
Toluene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 02:40	1
Xylenes, Total	ND		0.095	mg/Kg		05/21/24 11:04	05/24/24 02:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 02:40	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		05/24/24 14:07	05/28/24 14:50	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/24/24 14:07	05/28/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			05/24/24 14:07	05/28/24 14:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61	mg/Kg		05/22/24 06:56	05/22/24 12:03	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-33

Lab Sample ID: 885-4824-33

Date Collected: 05/16/24 14:14

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/24/24 03:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/24/24 03:04	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 03:04	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 03:04	1
Xylenes, Total	ND		0.099	mg/Kg		05/21/24 11:04	05/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 03:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		05/21/24 14:34	05/22/24 15:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/21/24 14:34	05/22/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			05/21/24 14:34	05/22/24 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		59	mg/Kg		05/22/24 06:56	05/22/24 12:15	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-34

Lab Sample ID: 885-4824-34

Date Collected: 05/16/24 14:16

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 11:04	05/24/24 03:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 03:27	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 03:27	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 03:27	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 11:04	05/24/24 03:27	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		05/21/24 14:34	05/22/24 15:29	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 14:34	05/22/24 15:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			05/21/24 14:34	05/22/24 15:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 12:28	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-35

Lab Sample ID: 885-4824-35

Date Collected: 05/16/24 14:20

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 11:04	05/24/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 03:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/21/24 11:04	05/24/24 03:51	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 03:51	1
Toluene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 03:51	1
Xylenes, Total	ND		0.094	mg/Kg		05/21/24 11:04	05/24/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/24/24 03:51	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/21/24 14:34	05/22/24 15:40	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/21/24 14:34	05/22/24 15:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			05/21/24 14:34	05/22/24 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		60	mg/Kg		05/22/24 06:56	05/22/24 12:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-36

Lab Sample ID: 885-4824-36

Date Collected: 05/16/24 14:22

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/21/24 11:04	05/24/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/24/24 04:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 04:14	1
Ethylbenzene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 04:14	1
Toluene	ND		0.049	mg/Kg		05/21/24 11:04	05/24/24 04:14	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/24/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 04:14	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/21/24 14:34	05/22/24 15:51	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/21/24 14:34	05/22/24 15:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			05/21/24 14:34	05/22/24 15:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68		60	mg/Kg		05/22/24 06:56	05/22/24 12:52	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-37

Lab Sample ID: 885-4824-37

Date Collected: 05/16/24 14:24

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/24/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			05/21/24 11:04	05/24/24 04:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 04:38	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 04:38	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 04:38	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/24/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/21/24 11:04	05/24/24 04:38	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/21/24 14:34	05/22/24 16:02	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 14:34	05/22/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			05/21/24 14:34	05/22/24 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		05/22/24 06:56	05/22/24 13:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-38

Lab Sample ID: 885-4824-38

Date Collected: 05/16/24 14:26

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/21/24 11:04	05/24/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			05/21/24 11:04	05/24/24 05:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/21/24 11:04	05/24/24 05:02	1
Ethylbenzene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 05:02	1
Toluene	ND		0.048	mg/Kg		05/21/24 11:04	05/24/24 05:02	1
Xylenes, Total	ND		0.097	mg/Kg		05/21/24 11:04	05/24/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/21/24 11:04	05/24/24 05:02	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		05/21/24 14:34	05/22/24 16:13	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		05/21/24 14:34	05/22/24 16:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			05/21/24 14:34	05/22/24 16:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		05/22/24 06:56	05/22/24 13:42	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-39

Lab Sample ID: 885-4824-39

Date Collected: 05/16/24 14:30

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 11:04	05/24/24 05:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		35 - 166			05/21/24 11:04	05/24/24 05:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/24/24 05:25	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 05:25	1
Toluene	ND		0.050	mg/Kg		05/21/24 11:04	05/24/24 05:25	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 11:04	05/24/24 05:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/21/24 11:04	05/24/24 05:25	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		05/21/24 14:34	05/22/24 16:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/21/24 14:34	05/22/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			05/21/24 14:34	05/22/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		05/22/24 06:56	05/22/24 13:54	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-40

Lab Sample ID: 885-4824-40

Date Collected: 05/16/24 14:32

Matrix: Solid

Date Received: 05/21/24 07:40

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/21/24 11:04	05/24/24 05:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			05/21/24 11:04	05/24/24 05:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/21/24 11:04	05/24/24 05:48	1
Ethylbenzene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 05:48	1
Toluene	ND		0.047	mg/Kg		05/21/24 11:04	05/24/24 05:48	1
Xylenes, Total	ND		0.094	mg/Kg		05/21/24 11:04	05/24/24 05:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/21/24 11:04	05/24/24 05:48	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		05/21/24 14:34	05/22/24 16:35	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		05/21/24 14:34	05/22/24 16:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			05/21/24 14:34	05/22/24 16:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		05/22/24 06:56	05/22/24 14:06	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-5336/1-A
Matrix: Solid
Analysis Batch: 5538

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5336

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 09:20	05/22/24 15:02	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		35 - 166			05/21/24 09:20	05/22/24 15:02	1

Lab Sample ID: LCS 885-5336/2-A
Matrix: Solid
Analysis Batch: 5538

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.3		mg/Kg		97	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	193	S1+	35 - 166				

Lab Sample ID: 885-4824-1 MS
Matrix: Solid
Analysis Batch: 5538

Client Sample ID: PS-1
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.5	28.4		mg/Kg		116	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	217	S1+	35 - 166						

Lab Sample ID: 885-4824-1 MSD
Matrix: Solid
Analysis Batch: 5538

Client Sample ID: PS-1
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.2	28.3		mg/Kg		117	70 - 130	0	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	221	S1+	35 - 166								

Lab Sample ID: MB 885-5348/1-A
Matrix: Solid
Analysis Batch: 5619

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5348

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/21/24 11:04	05/23/24 14:33	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-5348/1-A
 Matrix: Solid
 Analysis Batch: 5619

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5348

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	87		35 - 166	05/21/24 11:04	05/23/24 14:33	1

Lab Sample ID: LCS 885-5348/2-A
 Matrix: Solid
 Analysis Batch: 5619

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	25.0	24.9		mg/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	194	S1+	35 - 166

Lab Sample ID: 885-4824-21 MS
 Matrix: Solid
 Analysis Batch: 5619

Client Sample ID: PS-21
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	ND		24.7	26.6		mg/Kg		108	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	213	S1+	35 - 166

Lab Sample ID: 885-4824-21 MSD
 Matrix: Solid
 Analysis Batch: 5619

Client Sample ID: PS-21
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
				Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	26.2		mg/Kg		106	70 - 130	2	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	211	S1+	35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-5336/1-A
 Matrix: Solid
 Analysis Batch: 5539

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5336

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		05/21/24 09:20	05/22/24 15:02	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 15:02	1
Toluene	ND		0.050	mg/Kg		05/21/24 09:20	05/22/24 15:02	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 09:20	05/22/24 15:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-5336/1-A
Matrix: Solid
Analysis Batch: 5539

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5336

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	84		48 - 145	05/21/24 09:20	05/22/24 15:02	1

Lab Sample ID: LCS 885-5336/3-A
Matrix: Solid
Analysis Batch: 5539

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.885		mg/Kg		89	70 - 130	
Ethylbenzene	1.00	0.852		mg/Kg		85	70 - 130	
Toluene	1.00	0.845		mg/Kg		84	70 - 130	
m,p-Xylene	2.00	1.72		mg/Kg		86	70 - 130	
o-Xylene	1.00	0.843		mg/Kg		84	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		48 - 145

Lab Sample ID: 885-4824-2 MS
Matrix: Solid
Analysis Batch: 5539

Client Sample ID: PS-2
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.971	0.983		mg/Kg		101	70 - 130	
Ethylbenzene	ND		0.971	0.986		mg/Kg		102	70 - 130	
Toluene	ND		0.971	0.963		mg/Kg		98	70 - 130	
m,p-Xylene	ND		1.94	2.01		mg/Kg		102	70 - 130	
o-Xylene	ND		0.971	0.986		mg/Kg		102	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		48 - 145

Lab Sample ID: 885-4824-2 MSD
Matrix: Solid
Analysis Batch: 5539

Client Sample ID: PS-2
Prep Type: Total/NA
Prep Batch: 5336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
											RPD	Limit
Benzene	ND		0.976	1.06		mg/Kg		109	70 - 130	7	20	
Ethylbenzene	ND		0.976	1.05		mg/Kg		107	70 - 130	6	20	
Toluene	ND		0.976	1.03		mg/Kg		104	70 - 130	7	20	
m,p-Xylene	ND		1.95	2.15		mg/Kg		109	70 - 130	7	20	
o-Xylene	ND		0.976	1.06		mg/Kg		109	70 - 130	7	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	92		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-5348/1-A
 Matrix: Solid
 Analysis Batch: 5620

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		05/21/24 11:04	05/23/24 14:33	1
Ethylbenzene	ND		0.050	mg/Kg		05/21/24 11:04	05/23/24 14:33	1
Toluene	ND		0.050	mg/Kg		05/21/24 11:04	05/23/24 14:33	1
Xylenes, Total	ND		0.10	mg/Kg		05/21/24 11:04	05/23/24 14:33	1
Surrogate								
	MB MB		Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			05/21/24 11:04	05/23/24 14:33	1

Lab Sample ID: LCS 885-5348/3-A
 Matrix: Solid
 Analysis Batch: 5620

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	0.871		mg/Kg		87	70 - 130
Toluene	1.00	0.870		mg/Kg		87	70 - 130
m,p-Xylene	2.00	1.78		mg/Kg		89	70 - 130
o-Xylene	1.00	0.871		mg/Kg		87	70 - 130
Surrogate							
	LCS LCS		Limits				
4-Bromofluorobenzene (Surr)	93		48 - 145				

Lab Sample ID: 885-4824-22 MS
 Matrix: Solid
 Analysis Batch: 5620

Client Sample ID: PS-22
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	ND		0.990	1.02		mg/Kg		102	70 - 130
Toluene	ND		0.990	0.990		mg/Kg		99	70 - 130
m,p-Xylene	ND		1.98	2.04		mg/Kg		102	70 - 130
o-Xylene	ND		0.990	0.999		mg/Kg		101	70 - 130
Surrogate									
	MS MS		Limits						
4-Bromofluorobenzene (Surr)	91		48 - 145						

Lab Sample ID: 885-4824-22 MSD
 Matrix: Solid
 Analysis Batch: 5620

Client Sample ID: PS-22
 Prep Type: Total/NA
 Prep Batch: 5348

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
										RPD	Limit
Benzene	ND		0.989	0.999		mg/Kg		101	70 - 130	2	20
Ethylbenzene	ND		0.989	1.00		mg/Kg		100	70 - 130	2	20
Toluene	ND		0.989	0.979		mg/Kg		98	70 - 130	1	20
m,p-Xylene	ND		1.98	2.02		mg/Kg		101	70 - 130	1	20
o-Xylene	ND		0.989	0.993		mg/Kg		100	70 - 130	1	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-4824-22 MSD
 Matrix: Solid
 Analysis Batch: 5620

Client Sample ID: PS-22
 Prep Type: Total/NA
 Prep Batch: 5348

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-5363/1-A
 Matrix: Solid
 Analysis Batch: 5448

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5363

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/21/24 12:15	05/22/24 10:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/21/24 12:15	05/22/24 10:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134	05/21/24 12:15	05/22/24 10:29	1

Lab Sample ID: LCS 885-5363/2-A
 Matrix: Solid
 Analysis Batch: 5504

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5363

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.6		mg/Kg		93	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	106		62 - 134

Lab Sample ID: 885-4824-20 MS
 Matrix: Solid
 Analysis Batch: 5504

Client Sample ID: PS-20
 Prep Type: Total/NA
 Prep Batch: 5363

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.4	48.9		mg/Kg		101	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	115		62 - 134

Lab Sample ID: 885-4824-20 MSD
 Matrix: Solid
 Analysis Batch: 5504

Client Sample ID: PS-20
 Prep Type: Total/NA
 Prep Batch: 5363

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		44.8	44.4		mg/Kg		99	44 - 136	10	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	92		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-5379/1-A
Matrix: Solid
Analysis Batch: 5448

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5379

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/21/24 14:34	05/22/24 12:48	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/21/24 14:34	05/22/24 12:48	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			05/21/24 14:34	05/22/24 12:48	1

Lab Sample ID: LCS 885-5379/2-A
Matrix: Solid
Analysis Batch: 5448

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	51.9		mg/Kg		104	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	125		62 - 134				

Lab Sample ID: 885-4824-40 MS
Matrix: Solid
Analysis Batch: 5448

Client Sample ID: PS-40
Prep Type: Total/NA
Prep Batch: 5379

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		45.6	36.0		mg/Kg		79	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	74		62 - 134						

Lab Sample ID: 885-4824-40 MSD
Matrix: Solid
Analysis Batch: 5448

Client Sample ID: PS-40
Prep Type: Total/NA
Prep Batch: 5379

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		45.4	29.8		mg/Kg		66	44 - 136	19	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	62		62 - 134								

Lab Sample ID: MB 885-5641/1-A
Matrix: Solid
Analysis Batch: 5719

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5641

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/24/24 14:07	05/28/24 13:33	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/24/24 14:07	05/28/24 13:33	1

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-5641/1-A
 Matrix: Solid
 Analysis Batch: 5719

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5641

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134	05/24/24 14:07	05/28/24 13:33	1

Lab Sample ID: LCS 885-5641/2-A
 Matrix: Solid
 Analysis Batch: 5719

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5641

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	43.1		mg/Kg		86	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	106		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-5377/1-A
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/21/24 14:11	05/21/24 15:20	1

Lab Sample ID: LCS 885-5377/2-A
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.4		mg/Kg		95	90 - 110

Lab Sample ID: 885-4824-1 MS
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: PS-1
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	70	F1	29.7	111		mg/Kg		139	50 - 150

Lab Sample ID: 885-4824-1 MSD
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: PS-1
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	70	F1	30.2	131	F1	mg/Kg		205	50 - 150	17	20

Lab Sample ID: 885-4824-8 MS
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: PS-8
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	130		29.9	166	4	mg/Kg		122	50 - 150

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-4824-8 MSD
 Matrix: Solid
 Analysis Batch: 5406

Client Sample ID: PS-8
 Prep Type: Total/NA
 Prep Batch: 5377

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		30.0	148	4	mg/Kg		61	50 - 150	11	20

Lab Sample ID: MB 885-5400/1-A
 Matrix: Solid
 Analysis Batch: 5493

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5400

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/22/24 06:56	05/22/24 07:49	1

Lab Sample ID: LCS 885-5400/2-A
 Matrix: Solid
 Analysis Batch: 5493

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5400

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	27.7		mg/Kg		92	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC VOA

Prep Batch: 5336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	5030C	
885-4824-2	PS-2	Total/NA	Solid	5030C	
885-4824-3	PS-3	Total/NA	Solid	5030C	
885-4824-4	PS-4	Total/NA	Solid	5030C	
885-4824-5	PS-5	Total/NA	Solid	5030C	
885-4824-6	PS-6	Total/NA	Solid	5030C	
885-4824-7	PS-7	Total/NA	Solid	5030C	
885-4824-8	PS-8	Total/NA	Solid	5030C	
885-4824-9	PS-9	Total/NA	Solid	5030C	
885-4824-10	PS-10	Total/NA	Solid	5030C	
885-4824-11	PS-11	Total/NA	Solid	5030C	
885-4824-12	PS-12	Total/NA	Solid	5030C	
885-4824-13	PS-13	Total/NA	Solid	5030C	
885-4824-14	PS-14	Total/NA	Solid	5030C	
885-4824-15	PS-15	Total/NA	Solid	5030C	
885-4824-16	PS-16	Total/NA	Solid	5030C	
885-4824-17	PS-17	Total/NA	Solid	5030C	
885-4824-18	PS-18	Total/NA	Solid	5030C	
885-4824-19	PS-19	Total/NA	Solid	5030C	
885-4824-20	PS-20	Total/NA	Solid	5030C	
MB 885-5336/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-5336/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5336/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-4824-1 MS	PS-1	Total/NA	Solid	5030C	
885-4824-1 MSD	PS-1	Total/NA	Solid	5030C	
885-4824-2 MS	PS-2	Total/NA	Solid	5030C	
885-4824-2 MSD	PS-2	Total/NA	Solid	5030C	

Prep Batch: 5348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	5030C	
885-4824-22	PS-22	Total/NA	Solid	5030C	
885-4824-23	PS-23	Total/NA	Solid	5030C	
885-4824-24	PS-24	Total/NA	Solid	5030C	
885-4824-25	PS-25	Total/NA	Solid	5030C	
885-4824-26	PS-26	Total/NA	Solid	5030C	
885-4824-27	PS-27	Total/NA	Solid	5030C	
885-4824-28	PS-28	Total/NA	Solid	5030C	
885-4824-29	PS-29	Total/NA	Solid	5030C	
885-4824-30	PS-30	Total/NA	Solid	5030C	
885-4824-31	PS-31	Total/NA	Solid	5030C	
885-4824-32	PS-32	Total/NA	Solid	5030C	
885-4824-33	PS-33	Total/NA	Solid	5030C	
885-4824-34	PS-34	Total/NA	Solid	5030C	
885-4824-35	PS-35	Total/NA	Solid	5030C	
885-4824-36	PS-36	Total/NA	Solid	5030C	
885-4824-37	PS-37	Total/NA	Solid	5030C	
885-4824-38	PS-38	Total/NA	Solid	5030C	
885-4824-39	PS-39	Total/NA	Solid	5030C	
885-4824-40	PS-40	Total/NA	Solid	5030C	
MB 885-5348/1-A	Method Blank	Total/NA	Solid	5030C	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC VOA (Continued)

Prep Batch: 5348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-5348/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5348/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-4824-21 MS	PS-21	Total/NA	Solid	5030C	
885-4824-21 MSD	PS-21	Total/NA	Solid	5030C	
885-4824-22 MS	PS-22	Total/NA	Solid	5030C	
885-4824-22 MSD	PS-22	Total/NA	Solid	5030C	

Analysis Batch: 5538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	8015D	5336
885-4824-2	PS-2	Total/NA	Solid	8015D	5336
885-4824-3	PS-3	Total/NA	Solid	8015D	5336
885-4824-4	PS-4	Total/NA	Solid	8015D	5336
885-4824-5	PS-5	Total/NA	Solid	8015D	5336
885-4824-6	PS-6	Total/NA	Solid	8015D	5336
885-4824-7	PS-7	Total/NA	Solid	8015D	5336
885-4824-8	PS-8	Total/NA	Solid	8015D	5336
885-4824-9	PS-9	Total/NA	Solid	8015D	5336
885-4824-10	PS-10	Total/NA	Solid	8015D	5336
885-4824-11	PS-11	Total/NA	Solid	8015D	5336
885-4824-12	PS-12	Total/NA	Solid	8015D	5336
885-4824-13	PS-13	Total/NA	Solid	8015D	5336
885-4824-14	PS-14	Total/NA	Solid	8015D	5336
885-4824-15	PS-15	Total/NA	Solid	8015D	5336
885-4824-16	PS-16	Total/NA	Solid	8015D	5336
885-4824-17	PS-17	Total/NA	Solid	8015D	5336
885-4824-18	PS-18	Total/NA	Solid	8015D	5336
885-4824-19	PS-19	Total/NA	Solid	8015D	5336
885-4824-20	PS-20	Total/NA	Solid	8015D	5336
MB 885-5336/1-A	Method Blank	Total/NA	Solid	8015D	5336
LCS 885-5336/2-A	Lab Control Sample	Total/NA	Solid	8015D	5336
885-4824-1 MS	PS-1	Total/NA	Solid	8015D	5336
885-4824-1 MSD	PS-1	Total/NA	Solid	8015D	5336

Analysis Batch: 5539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	8021B	5336
885-4824-2	PS-2	Total/NA	Solid	8021B	5336
885-4824-3	PS-3	Total/NA	Solid	8021B	5336
885-4824-4	PS-4	Total/NA	Solid	8021B	5336
885-4824-5	PS-5	Total/NA	Solid	8021B	5336
885-4824-6	PS-6	Total/NA	Solid	8021B	5336
885-4824-7	PS-7	Total/NA	Solid	8021B	5336
885-4824-8	PS-8	Total/NA	Solid	8021B	5336
885-4824-9	PS-9	Total/NA	Solid	8021B	5336
885-4824-10	PS-10	Total/NA	Solid	8021B	5336
885-4824-11	PS-11	Total/NA	Solid	8021B	5336
885-4824-12	PS-12	Total/NA	Solid	8021B	5336
885-4824-13	PS-13	Total/NA	Solid	8021B	5336
885-4824-14	PS-14	Total/NA	Solid	8021B	5336
885-4824-15	PS-15	Total/NA	Solid	8021B	5336

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC VOA (Continued)

Analysis Batch: 5539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-16	PS-16	Total/NA	Solid	8021B	5336
885-4824-17	PS-17	Total/NA	Solid	8021B	5336
885-4824-18	PS-18	Total/NA	Solid	8021B	5336
885-4824-19	PS-19	Total/NA	Solid	8021B	5336
885-4824-20	PS-20	Total/NA	Solid	8021B	5336
MB 885-5336/1-A	Method Blank	Total/NA	Solid	8021B	5336
LCS 885-5336/3-A	Lab Control Sample	Total/NA	Solid	8021B	5336
885-4824-2 MS	PS-2	Total/NA	Solid	8021B	5336
885-4824-2 MSD	PS-2	Total/NA	Solid	8021B	5336

Analysis Batch: 5619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	8015D	5348
885-4824-22	PS-22	Total/NA	Solid	8015D	5348
885-4824-23	PS-23	Total/NA	Solid	8015D	5348
885-4824-24	PS-24	Total/NA	Solid	8015D	5348
885-4824-25	PS-25	Total/NA	Solid	8015D	5348
885-4824-26	PS-26	Total/NA	Solid	8015D	5348
885-4824-27	PS-27	Total/NA	Solid	8015D	5348
885-4824-28	PS-28	Total/NA	Solid	8015D	5348
885-4824-29	PS-29	Total/NA	Solid	8015D	5348
885-4824-30	PS-30	Total/NA	Solid	8015D	5348
885-4824-31	PS-31	Total/NA	Solid	8015D	5348
885-4824-32	PS-32	Total/NA	Solid	8015D	5348
885-4824-33	PS-33	Total/NA	Solid	8015D	5348
885-4824-34	PS-34	Total/NA	Solid	8015D	5348
885-4824-35	PS-35	Total/NA	Solid	8015D	5348
885-4824-36	PS-36	Total/NA	Solid	8015D	5348
885-4824-37	PS-37	Total/NA	Solid	8015D	5348
885-4824-38	PS-38	Total/NA	Solid	8015D	5348
885-4824-39	PS-39	Total/NA	Solid	8015D	5348
885-4824-40	PS-40	Total/NA	Solid	8015D	5348
MB 885-5348/1-A	Method Blank	Total/NA	Solid	8015D	5348
LCS 885-5348/2-A	Lab Control Sample	Total/NA	Solid	8015D	5348
885-4824-21 MS	PS-21	Total/NA	Solid	8015D	5348
885-4824-21 MSD	PS-21	Total/NA	Solid	8015D	5348

Analysis Batch: 5620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	8021B	5348
885-4824-22	PS-22	Total/NA	Solid	8021B	5348
885-4824-23	PS-23	Total/NA	Solid	8021B	5348
885-4824-24	PS-24	Total/NA	Solid	8021B	5348
885-4824-25	PS-25	Total/NA	Solid	8021B	5348
885-4824-26	PS-26	Total/NA	Solid	8021B	5348
885-4824-27	PS-27	Total/NA	Solid	8021B	5348
885-4824-28	PS-28	Total/NA	Solid	8021B	5348
885-4824-29	PS-29	Total/NA	Solid	8021B	5348
885-4824-30	PS-30	Total/NA	Solid	8021B	5348
885-4824-31	PS-31	Total/NA	Solid	8021B	5348
885-4824-32	PS-32	Total/NA	Solid	8021B	5348

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC VOA (Continued)

Analysis Batch: 5620 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-33	PS-33	Total/NA	Solid	8021B	5348
885-4824-34	PS-34	Total/NA	Solid	8021B	5348
885-4824-35	PS-35	Total/NA	Solid	8021B	5348
885-4824-36	PS-36	Total/NA	Solid	8021B	5348
885-4824-37	PS-37	Total/NA	Solid	8021B	5348
885-4824-38	PS-38	Total/NA	Solid	8021B	5348
885-4824-39	PS-39	Total/NA	Solid	8021B	5348
885-4824-40	PS-40	Total/NA	Solid	8021B	5348
MB 885-5348/1-A	Method Blank	Total/NA	Solid	8021B	5348
LCS 885-5348/3-A	Lab Control Sample	Total/NA	Solid	8021B	5348
885-4824-22 MS	PS-22	Total/NA	Solid	8021B	5348
885-4824-22 MSD	PS-22	Total/NA	Solid	8021B	5348

GC Semi VOA

Prep Batch: 5363

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	SHAKE	
885-4824-2	PS-2	Total/NA	Solid	SHAKE	
885-4824-3	PS-3	Total/NA	Solid	SHAKE	
885-4824-4	PS-4	Total/NA	Solid	SHAKE	
885-4824-5	PS-5	Total/NA	Solid	SHAKE	
885-4824-6	PS-6	Total/NA	Solid	SHAKE	
885-4824-7	PS-7	Total/NA	Solid	SHAKE	
885-4824-8	PS-8	Total/NA	Solid	SHAKE	
885-4824-9	PS-9	Total/NA	Solid	SHAKE	
885-4824-10	PS-10	Total/NA	Solid	SHAKE	
885-4824-11	PS-11	Total/NA	Solid	SHAKE	
885-4824-12	PS-12	Total/NA	Solid	SHAKE	
885-4824-13	PS-13	Total/NA	Solid	SHAKE	
885-4824-14	PS-14	Total/NA	Solid	SHAKE	
885-4824-15	PS-15	Total/NA	Solid	SHAKE	
885-4824-16	PS-16	Total/NA	Solid	SHAKE	
885-4824-17	PS-17	Total/NA	Solid	SHAKE	
885-4824-18	PS-18	Total/NA	Solid	SHAKE	
885-4824-19	PS-19	Total/NA	Solid	SHAKE	
885-4824-20	PS-20	Total/NA	Solid	SHAKE	
MB 885-5363/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5363/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-4824-20 MS	PS-20	Total/NA	Solid	SHAKE	
885-4824-20 MSD	PS-20	Total/NA	Solid	SHAKE	

Prep Batch: 5379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	SHAKE	
885-4824-22	PS-22	Total/NA	Solid	SHAKE	
885-4824-23	PS-23	Total/NA	Solid	SHAKE	
885-4824-25	PS-25	Total/NA	Solid	SHAKE	
885-4824-28	PS-28	Total/NA	Solid	SHAKE	
885-4824-30	PS-30	Total/NA	Solid	SHAKE	
885-4824-31	PS-31	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC Semi VOA (Continued)

Prep Batch: 5379 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-33	PS-33	Total/NA	Solid	SHAKE	
885-4824-34	PS-34	Total/NA	Solid	SHAKE	
885-4824-35	PS-35	Total/NA	Solid	SHAKE	
885-4824-36	PS-36	Total/NA	Solid	SHAKE	
885-4824-37	PS-37	Total/NA	Solid	SHAKE	
885-4824-38	PS-38	Total/NA	Solid	SHAKE	
885-4824-39	PS-39	Total/NA	Solid	SHAKE	
885-4824-40	PS-40	Total/NA	Solid	SHAKE	
MB 885-5379/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5379/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-4824-40 MS	PS-40	Total/NA	Solid	SHAKE	
885-4824-40 MSD	PS-40	Total/NA	Solid	SHAKE	

Analysis Batch: 5448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	8015D	5379
885-4824-22	PS-22	Total/NA	Solid	8015D	5379
885-4824-25	PS-25	Total/NA	Solid	8015D	5379
885-4824-28	PS-28	Total/NA	Solid	8015D	5379
885-4824-31	PS-31	Total/NA	Solid	8015D	5379
885-4824-33	PS-33	Total/NA	Solid	8015D	5379
885-4824-34	PS-34	Total/NA	Solid	8015D	5379
885-4824-35	PS-35	Total/NA	Solid	8015D	5379
885-4824-36	PS-36	Total/NA	Solid	8015D	5379
885-4824-37	PS-37	Total/NA	Solid	8015D	5379
885-4824-38	PS-38	Total/NA	Solid	8015D	5379
885-4824-39	PS-39	Total/NA	Solid	8015D	5379
885-4824-40	PS-40	Total/NA	Solid	8015D	5379
MB 885-5363/1-A	Method Blank	Total/NA	Solid	8015D	5363
MB 885-5379/1-A	Method Blank	Total/NA	Solid	8015D	5379
LCS 885-5379/2-A	Lab Control Sample	Total/NA	Solid	8015D	5379
885-4824-40 MS	PS-40	Total/NA	Solid	8015D	5379
885-4824-40 MSD	PS-40	Total/NA	Solid	8015D	5379

Analysis Batch: 5504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	8015D	5363
885-4824-2	PS-2	Total/NA	Solid	8015D	5363
885-4824-3	PS-3	Total/NA	Solid	8015D	5363
885-4824-4	PS-4	Total/NA	Solid	8015D	5363
885-4824-5	PS-5	Total/NA	Solid	8015D	5363
885-4824-6	PS-6	Total/NA	Solid	8015D	5363
885-4824-7	PS-7	Total/NA	Solid	8015D	5363
885-4824-8	PS-8	Total/NA	Solid	8015D	5363
885-4824-9	PS-9	Total/NA	Solid	8015D	5363
885-4824-10	PS-10	Total/NA	Solid	8015D	5363
885-4824-11	PS-11	Total/NA	Solid	8015D	5363
885-4824-12	PS-12	Total/NA	Solid	8015D	5363
885-4824-13	PS-13	Total/NA	Solid	8015D	5363
885-4824-14	PS-14	Total/NA	Solid	8015D	5363
885-4824-15	PS-15	Total/NA	Solid	8015D	5363

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4824-1

GC Semi VOA (Continued)

Analysis Batch: 5504 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-16	PS-16	Total/NA	Solid	8015D	5363
885-4824-17	PS-17	Total/NA	Solid	8015D	5363
885-4824-18	PS-18	Total/NA	Solid	8015D	5363
885-4824-19	PS-19	Total/NA	Solid	8015D	5363
885-4824-20	PS-20	Total/NA	Solid	8015D	5363
LCS 885-5363/2-A	Lab Control Sample	Total/NA	Solid	8015D	5363
885-4824-20 MS	PS-20	Total/NA	Solid	8015D	5363
885-4824-20 MSD	PS-20	Total/NA	Solid	8015D	5363

Prep Batch: 5641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-24	PS-24	Total/NA	Solid	SHAKE	
885-4824-26	PS-26	Total/NA	Solid	SHAKE	
885-4824-27	PS-27	Total/NA	Solid	SHAKE	
885-4824-29	PS-29	Total/NA	Solid	SHAKE	
885-4824-32	PS-32	Total/NA	Solid	SHAKE	
MB 885-5641/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5641/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 5719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-24	PS-24	Total/NA	Solid	8015D	5641
885-4824-26	PS-26	Total/NA	Solid	8015D	5641
885-4824-27	PS-27	Total/NA	Solid	8015D	5641
885-4824-29	PS-29	Total/NA	Solid	8015D	5641
885-4824-32	PS-32	Total/NA	Solid	8015D	5641
MB 885-5641/1-A	Method Blank	Total/NA	Solid	8015D	5641
LCS 885-5641/2-A	Lab Control Sample	Total/NA	Solid	8015D	5641

Analysis Batch: 5742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-23	PS-23	Total/NA	Solid	8015D	5379
885-4824-30	PS-30	Total/NA	Solid	8015D	5379

HPLC/IC

Prep Batch: 5377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	300_Prep	
885-4824-2	PS-2	Total/NA	Solid	300_Prep	
885-4824-3	PS-3	Total/NA	Solid	300_Prep	
885-4824-4	PS-4	Total/NA	Solid	300_Prep	
885-4824-5	PS-5	Total/NA	Solid	300_Prep	
885-4824-6	PS-6	Total/NA	Solid	300_Prep	
885-4824-7	PS-7	Total/NA	Solid	300_Prep	
885-4824-8	PS-8	Total/NA	Solid	300_Prep	
885-4824-9	PS-9	Total/NA	Solid	300_Prep	
885-4824-10	PS-10	Total/NA	Solid	300_Prep	
885-4824-11	PS-11	Total/NA	Solid	300_Prep	
885-4824-12	PS-12	Total/NA	Solid	300_Prep	
885-4824-13	PS-13	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

HPLC/IC (Continued)

Prep Batch: 5377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-14	PS-14	Total/NA	Solid	300_Prep	
885-4824-15	PS-15	Total/NA	Solid	300_Prep	
885-4824-16	PS-16	Total/NA	Solid	300_Prep	
885-4824-17	PS-17	Total/NA	Solid	300_Prep	
885-4824-18	PS-18	Total/NA	Solid	300_Prep	
885-4824-19	PS-19	Total/NA	Solid	300_Prep	
885-4824-20	PS-20	Total/NA	Solid	300_Prep	
MB 885-5377/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5377/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-4824-1 MS	PS-1	Total/NA	Solid	300_Prep	
885-4824-1 MSD	PS-1	Total/NA	Solid	300_Prep	
885-4824-8 MS	PS-8	Total/NA	Solid	300_Prep	
885-4824-8 MSD	PS-8	Total/NA	Solid	300_Prep	

Prep Batch: 5400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	300_Prep	
885-4824-22	PS-22	Total/NA	Solid	300_Prep	
885-4824-23	PS-23	Total/NA	Solid	300_Prep	
885-4824-24	PS-24	Total/NA	Solid	300_Prep	
885-4824-25	PS-25	Total/NA	Solid	300_Prep	
885-4824-26	PS-26	Total/NA	Solid	300_Prep	
885-4824-27	PS-27	Total/NA	Solid	300_Prep	
885-4824-28	PS-28	Total/NA	Solid	300_Prep	
885-4824-29	PS-29	Total/NA	Solid	300_Prep	
885-4824-30	PS-30	Total/NA	Solid	300_Prep	
885-4824-31	PS-31	Total/NA	Solid	300_Prep	
885-4824-32	PS-32	Total/NA	Solid	300_Prep	
885-4824-33	PS-33	Total/NA	Solid	300_Prep	
885-4824-34	PS-34	Total/NA	Solid	300_Prep	
885-4824-35	PS-35	Total/NA	Solid	300_Prep	
885-4824-36	PS-36	Total/NA	Solid	300_Prep	
885-4824-37	PS-37	Total/NA	Solid	300_Prep	
885-4824-38	PS-38	Total/NA	Solid	300_Prep	
885-4824-39	PS-39	Total/NA	Solid	300_Prep	
885-4824-40	PS-40	Total/NA	Solid	300_Prep	
MB 885-5400/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5400/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 5406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-1	PS-1	Total/NA	Solid	300.0	5377
885-4824-2	PS-2	Total/NA	Solid	300.0	5377
885-4824-3	PS-3	Total/NA	Solid	300.0	5377
885-4824-4	PS-4	Total/NA	Solid	300.0	5377
885-4824-5	PS-5	Total/NA	Solid	300.0	5377
885-4824-6	PS-6	Total/NA	Solid	300.0	5377
885-4824-7	PS-7	Total/NA	Solid	300.0	5377
885-4824-8	PS-8	Total/NA	Solid	300.0	5377
885-4824-9	PS-9	Total/NA	Solid	300.0	5377
885-4824-10	PS-10	Total/NA	Solid	300.0	5377

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

HPLC/IC (Continued)

Analysis Batch: 5406 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-11	PS-11	Total/NA	Solid	300.0	5377
885-4824-12	PS-12	Total/NA	Solid	300.0	5377
885-4824-13	PS-13	Total/NA	Solid	300.0	5377
885-4824-14	PS-14	Total/NA	Solid	300.0	5377
885-4824-15	PS-15	Total/NA	Solid	300.0	5377
885-4824-16	PS-16	Total/NA	Solid	300.0	5377
885-4824-17	PS-17	Total/NA	Solid	300.0	5377
885-4824-18	PS-18	Total/NA	Solid	300.0	5377
885-4824-19	PS-19	Total/NA	Solid	300.0	5377
885-4824-20	PS-20	Total/NA	Solid	300.0	5377
MB 885-5377/1-A	Method Blank	Total/NA	Solid	300.0	5377
LCS 885-5377/2-A	Lab Control Sample	Total/NA	Solid	300.0	5377
885-4824-1 MS	PS-1	Total/NA	Solid	300.0	5377
885-4824-1 MSD	PS-1	Total/NA	Solid	300.0	5377
885-4824-8 MS	PS-8	Total/NA	Solid	300.0	5377
885-4824-8 MSD	PS-8	Total/NA	Solid	300.0	5377

Analysis Batch: 5493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-4824-21	PS-21	Total/NA	Solid	300.0	5400
885-4824-22	PS-22	Total/NA	Solid	300.0	5400
885-4824-23	PS-23	Total/NA	Solid	300.0	5400
885-4824-24	PS-24	Total/NA	Solid	300.0	5400
885-4824-25	PS-25	Total/NA	Solid	300.0	5400
885-4824-26	PS-26	Total/NA	Solid	300.0	5400
885-4824-27	PS-27	Total/NA	Solid	300.0	5400
885-4824-28	PS-28	Total/NA	Solid	300.0	5400
885-4824-29	PS-29	Total/NA	Solid	300.0	5400
885-4824-30	PS-30	Total/NA	Solid	300.0	5400
885-4824-31	PS-31	Total/NA	Solid	300.0	5400
885-4824-32	PS-32	Total/NA	Solid	300.0	5400
885-4824-33	PS-33	Total/NA	Solid	300.0	5400
885-4824-34	PS-34	Total/NA	Solid	300.0	5400
885-4824-35	PS-35	Total/NA	Solid	300.0	5400
885-4824-36	PS-36	Total/NA	Solid	300.0	5400
885-4824-37	PS-37	Total/NA	Solid	300.0	5400
885-4824-38	PS-38	Total/NA	Solid	300.0	5400
885-4824-39	PS-39	Total/NA	Solid	300.0	5400
885-4824-40	PS-40	Total/NA	Solid	300.0	5400
MB 885-5400/1-A	Method Blank	Total/NA	Solid	300.0	5400
LCS 885-5400/2-A	Lab Control Sample	Total/NA	Solid	300.0	5400

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-1

Lab Sample ID: 885-4824-1

Date Collected: 05/16/24 08:50

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 18:08
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 18:08
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 15:44
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 16:06

Client Sample ID: PS-2

Lab Sample ID: 885-4824-2

Date Collected: 05/16/24 08:54

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 19:19
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 19:19
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 15:55
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 16:51

Client Sample ID: PS-3

Lab Sample ID: 885-4824-3

Date Collected: 05/16/24 09:02

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 20:29
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 20:29
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 16:06
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 17:06

Client Sample ID: PS-4

Lab Sample ID: 885-4824-4

Date Collected: 05/16/24 09:04

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 20:53

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-4

Lab Sample ID: 885-4824-4

Date Collected: 05/16/24 09:04

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 20:53
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 16:17
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 17:21

Client Sample ID: PS-5

Lab Sample ID: 885-4824-5

Date Collected: 05/16/24 09:08

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 21:16
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 21:16
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 16:27
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 17:37

Client Sample ID: PS-6

Lab Sample ID: 885-4824-6

Date Collected: 05/16/24 09:12

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 21:40
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 21:40
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 16:38
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 18:22

Client Sample ID: PS-7

Lab Sample ID: 885-4824-7

Date Collected: 05/16/24 09:18

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 22:03
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 22:03

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-7

Lab Sample ID: 885-4824-7

Date Collected: 05/16/24 09:18

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 16:49
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 18:37

Client Sample ID: PS-8

Lab Sample ID: 885-4824-8

Date Collected: 05/16/24 09:20

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 22:27
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 22:27
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:00
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 18:52

Client Sample ID: PS-9

Lab Sample ID: 885-4824-9

Date Collected: 05/16/24 09:24

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 22:50
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 22:50
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:11
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 19:38

Client Sample ID: PS-10

Lab Sample ID: 885-4824-10

Date Collected: 05/16/24 09:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/22/24 23:14
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/22/24 23:14
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:22

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-10

Lab Sample ID: 885-4824-10

Date Collected: 05/16/24 09:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 19:53

Client Sample ID: PS-11

Lab Sample ID: 885-4824-11

Date Collected: 05/16/24 10:00

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 00:01
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 00:01
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:33
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 20:08

Client Sample ID: PS-12

Lab Sample ID: 885-4824-12

Date Collected: 05/16/24 10:02

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 00:25
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 00:25
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:44
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 20:23

Client Sample ID: PS-13

Lab Sample ID: 885-4824-13

Date Collected: 05/16/24 10:04

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 00:48
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 00:48
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 17:55
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 20:38

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-14

Lab Sample ID: 885-4824-14

Date Collected: 05/16/24 10:10

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 01:12
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 01:12
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 18:06
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 21:24

Client Sample ID: PS-15

Lab Sample ID: 885-4824-15

Date Collected: 05/16/24 10:16

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 01:35
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 01:35
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 18:17
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 21:39

Client Sample ID: PS-16

Lab Sample ID: 885-4824-16

Date Collected: 05/16/24 10:20

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 01:59
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 01:59
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 18:29
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 21:54

Client Sample ID: PS-17

Lab Sample ID: 885-4824-17

Date Collected: 05/16/24 10:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 02:23

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-17

Lab Sample ID: 885-4824-17

Date Collected: 05/16/24 10:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 02:23
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 18:40
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 22:09

Client Sample ID: PS-18

Lab Sample ID: 885-4824-18

Date Collected: 05/16/24 10:30

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 02:46
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 02:46
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 18:51
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 22:25

Client Sample ID: PS-19

Lab Sample ID: 885-4824-19

Date Collected: 05/16/24 10:34

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 03:10
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 03:10
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 19:03
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 22:40

Client Sample ID: PS-20

Lab Sample ID: 885-4824-20

Date Collected: 05/16/24 10:38

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8015D		1	5538	JP	EET ALB	05/23/24 03:33
Total/NA	Prep	5030C			5336	AT	EET ALB	05/21/24 09:20
Total/NA	Analysis	8021B		1	5539	JP	EET ALB	05/23/24 03:33

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-20

Lab Sample ID: 885-4824-20

Date Collected: 05/16/24 10:38

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5363	JU	EET ALB	05/21/24 12:15
Total/NA	Analysis	8015D		1	5504	PD	EET ALB	05/21/24 19:14
Total/NA	Prep	300_Prep			5377	JT	EET ALB	05/21/24 14:11
Total/NA	Analysis	300.0		20	5406	JT	EET ALB	05/21/24 22:55

Client Sample ID: PS-21

Lab Sample ID: 885-4824-21

Date Collected: 05/16/24 13:10

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 20:01
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 20:01
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 13:09
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 08:33

Client Sample ID: PS-22

Lab Sample ID: 885-4824-22

Date Collected: 05/16/24 13:14

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 21:11
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 21:11
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 13:20
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 09:10

Client Sample ID: PS-23

Lab Sample ID: 885-4824-23

Date Collected: 05/16/24 13:20

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 22:45
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 22:45
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5742	JU	EET ALB	05/24/24 10:38

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-23

Lab Sample ID: 885-4824-23

Date Collected: 05/16/24 13:20

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 09:22

Client Sample ID: PS-24

Lab Sample ID: 885-4824-24

Date Collected: 05/16/24 13:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 23:09
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 23:09
Total/NA	Prep	SHAKE			5641	JU	EET ALB	05/24/24 14:07
Total/NA	Analysis	8015D		1	5719	JU	EET ALB	05/28/24 13:59
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 09:35

Client Sample ID: PS-25

Lab Sample ID: 885-4824-25

Date Collected: 05/16/24 13:30

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 23:33
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 23:33
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 13:52
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 09:47

Client Sample ID: PS-26

Lab Sample ID: 885-4824-26

Date Collected: 05/16/24 13:32

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/23/24 23:56
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/23/24 23:56
Total/NA	Prep	SHAKE			5641	JU	EET ALB	05/24/24 14:07
Total/NA	Analysis	8015D		1	5719	JU	EET ALB	05/28/24 14:12
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 09:59

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-27

Lab Sample ID: 885-4824-27

Date Collected: 05/16/24 13:36

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 00:20
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 00:20
Total/NA	Prep	SHAKE			5641	JU	EET ALB	05/24/24 14:07
Total/NA	Analysis	8015D		1	5719	JU	EET ALB	05/28/24 14:24
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 10:12

Client Sample ID: PS-28

Lab Sample ID: 885-4824-28

Date Collected: 05/16/24 13:40

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 00:43
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 00:43
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 14:24
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 10:24

Client Sample ID: PS-29

Lab Sample ID: 885-4824-29

Date Collected: 05/16/24 13:42

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 01:06
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 01:06
Total/NA	Prep	SHAKE			5641	JU	EET ALB	05/24/24 14:07
Total/NA	Analysis	8015D		1	5719	JU	EET ALB	05/28/24 14:37
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 11:01

Client Sample ID: PS-30

Lab Sample ID: 885-4824-30

Date Collected: 05/16/24 13:48

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 01:30

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-30

Lab Sample ID: 885-4824-30

Date Collected: 05/16/24 13:48

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 01:30
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5742	JU	EET ALB	05/24/24 12:38
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 11:13

Client Sample ID: PS-31

Lab Sample ID: 885-4824-31

Date Collected: 05/16/24 14:00

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 02:16
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 02:16
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 14:57
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 11:50

Client Sample ID: PS-32

Lab Sample ID: 885-4824-32

Date Collected: 05/16/24 14:10

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 02:40
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 02:40
Total/NA	Prep	SHAKE			5641	JU	EET ALB	05/24/24 14:07
Total/NA	Analysis	8015D		1	5719	JU	EET ALB	05/28/24 14:50
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 12:03

Client Sample ID: PS-33

Lab Sample ID: 885-4824-33

Date Collected: 05/16/24 14:14

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 03:04
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 03:04

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-33

Lab Sample ID: 885-4824-33

Date Collected: 05/16/24 14:14

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 15:18
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 12:15

Client Sample ID: PS-34

Lab Sample ID: 885-4824-34

Date Collected: 05/16/24 14:16

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 03:27
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 03:27
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 15:29
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 12:28

Client Sample ID: PS-35

Lab Sample ID: 885-4824-35

Date Collected: 05/16/24 14:20

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 03:51
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 03:51
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 15:40
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 12:40

Client Sample ID: PS-36

Lab Sample ID: 885-4824-36

Date Collected: 05/16/24 14:22

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 04:14
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 04:14
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 15:51

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-36

Lab Sample ID: 885-4824-36

Date Collected: 05/16/24 14:22

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 12:52

Client Sample ID: PS-37

Lab Sample ID: 885-4824-37

Date Collected: 05/16/24 14:24

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 04:38
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 04:38
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 16:02
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 13:29

Client Sample ID: PS-38

Lab Sample ID: 885-4824-38

Date Collected: 05/16/24 14:26

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 05:02
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 05:02
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 16:13
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 13:42

Client Sample ID: PS-39

Lab Sample ID: 885-4824-39

Date Collected: 05/16/24 14:30

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 05:25
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 05:25
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 16:24
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 13:54

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-4824-1

Client Sample ID: PS-40

Lab Sample ID: 885-4824-40

Date Collected: 05/16/24 14:32

Matrix: Solid

Date Received: 05/21/24 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8015D		1	5619	JP	EET ALB	05/24/24 05:48
Total/NA	Prep	5030C			5348	AT	EET ALB	05/21/24 11:04
Total/NA	Analysis	8021B		1	5620	JP	EET ALB	05/24/24 05:48
Total/NA	Prep	SHAKE			5379	JU	EET ALB	05/21/24 14:34
Total/NA	Analysis	8015D		1	5448	PD	EET ALB	05/22/24 16:35
Total/NA	Prep	300_Prep			5400	JT	EET ALB	05/22/24 06:56
Total/NA	Analysis	300.0		20	5493	RC	EET ALB	05/22/24 14:06

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-4824-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email/r Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time: EOG
 Standard Rush 5 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf

Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 6.8 to 1.20.9

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5/14/24	1004	Soil	PS-13	1x 4oz Jar	ICE	13
	1010		PS-14			14
	1016		PS-15			15
	1020		PS-16			16
	1026		PS-17			17
	1030		PS-18			18
	1634		PS-19			19
	1038		PS-20			20
	1310		PS-21			21
	1314		PS-22			22
	1320		PS-23			23
	1326		PS-24			24

Date: 5/14/24
 Date: 5/29/24
 Relinquished by: [Signature]
 Relinquished by: [Signature]
 Received by: [Signature] Date: 5/20/24 Time: 8:00
 Received by: [Signature] Date: 5/21/24 Time: 7:40



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

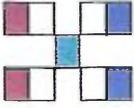
TPH:8015D(GRO / DRO / MRO)	X	X	X
BTEX (8021)	X	X	X
Chloride (EPA 300)			

Remarks: Bill to EOG Artesia



If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY



4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 0.8-1.0-0.9

Container Type and #	Preservative Type	HEAL No.
<u>1 x 4oz Jar</u>	<u>ICE</u>	<u>25</u>
		<u>26</u>
		<u>27</u>
		<u>28</u>
		<u>29</u>
		<u>30</u>
		<u>31</u>
		<u>32</u>
		<u>33</u>
		<u>34</u>
		<u>35</u>
		<u>36</u>

Chain-of-Custody Record
 Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) Excel

Date	Time	Matrix	Sample Name
<u>5/14/24</u>	<u>1330</u>	<u>Soil</u>	<u>PS-25</u>
	<u>1332</u>		<u>PS-26</u>
	<u>1336</u>		<u>PS-27</u>
	<u>1340</u>		<u>PS-28</u>
	<u>1342</u>		<u>PS-29</u>
	<u>1348</u>		<u>PS-30</u>
	<u>1400</u>		<u>PS-31</u>
	<u>1410</u>		<u>PS-32</u>
	<u>1414</u>		<u>PS-33</u>
	<u>1416</u>		<u>PS-34</u>
	<u>1420</u>		<u>PS-35</u>
	<u>1422</u>		<u>PS-36</u>

Date: 5/20/24 Time: 0800 Relinquished by: [Signature]
 Date: 5/20/24 Time: 0800 Relinquished by: [Signature]
 Received by: [Signature] Date: 5/20/24 Time: 0830
 Received by: [Signature] Date: 5/21/24 Time: 7:40

BTEX (8021) X
 TPH:8015D(GRO / DRO / MRO) X
 Chloride (EPA 300) X

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.





HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Turn-Around Time:		<input type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>5 DAY TAT</u>	
Project Name:		<u>Roy SWD #3</u>	
Project #:		5375	
Project Manager:		W. Kierdorf	
Sampler:		<u>J. Martinez</u>	
On Ice:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
# of Coolers:		<u>1</u>	
Cooler Temp (including cF):		<u>0.8 to 1.20.9</u>	
Container Type and #	Preservative Type	HEAL No.	
<u>1 X 4oz JAR</u>	<u>ICE</u>	<u>37</u>	
<u>1</u>	<u>1</u>	<u>38</u>	
<u>1</u>	<u>1</u>	<u>39</u>	
<u>1</u>	<u>1</u>	<u>40</u>	
Date	Time	Matrix	Sample Name
<u>5/16/24</u>	<u>1424</u>	<u>Soil</u>	<u>PS-37</u>
	<u>1426</u>		<u>PS-38</u>
	<u>1430</u>		<u>PS-39</u>
	<u>1432</u>		<u>PS-40</u>
Date	Time	Relinquished by:	Relinquished by:
<u>5/30/24</u>	<u>080</u>		
Date	Time	Relinquished by:	Relinquished by:

BTEX (8021) Chloride (EPA 300)

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-4824-1

Login Number: 4824

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 6/4/2024 3:23:25 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-5134-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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6/4/2024 3:23:25 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-5134-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-5134-1

Job ID: 885-5134-1

Eurofins Albuquerque

Job Narrative 885-5134-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/25/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-5721 and analytical batch 885-5938 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015D_DRO: Surrogate recovery for the following sample was outside control limits: (885-5134-A-7-C MS). Evidence of matrix interferences is not obvious. Parent and MSD have passing surrogate.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 885-5755 and analytical batch 885-5840 exceeded control limits for the following analyte(s): Cl, Note that this analyte is a known poor performer when analyzed using this method.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-1

Lab Sample ID: 885-5134-1

Date Collected: 05/24/24 08:40

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			05/28/24 09:01	05/30/24 18:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Xylenes, Total	ND		0.097	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/28/24 09:01	05/30/24 18:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/28/24 13:30	05/30/24 13:33	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/28/24 13:30	05/30/24 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			05/28/24 13:30	05/30/24 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	60	mg/Kg		05/29/24 07:48	05/29/24 12:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-2

Lab Sample ID: 885-5134-2

Date Collected: 05/24/24 08:46

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 18:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Xylenes, Total	ND		0.098	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 09:01	05/30/24 18:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/28/24 13:30	05/30/24 13:57	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/28/24 13:30	05/30/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			05/28/24 13:30	05/30/24 13:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	60	mg/Kg		05/29/24 07:48	05/29/24 12:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-3

Lab Sample ID: 885-5134-3

Date Collected: 05/24/24 08:50

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 19:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Xylenes, Total	ND		0.099	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/28/24 09:01	05/30/24 19:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		05/28/24 13:30	05/30/24 14:22	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/28/24 13:30	05/30/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			05/28/24 13:30	05/30/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		05/29/24 07:48	05/29/24 13:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 19:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Ethylbenzene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Toluene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Xylenes, Total	ND		0.096	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/28/24 09:01	05/30/24 19:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/28/24 13:30	05/30/24 14:46	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/28/24 13:30	05/30/24 14:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	63		62 - 134			05/28/24 13:30	05/30/24 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		05/29/24 07:48	05/29/24 13:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-5

Lab Sample ID: 885-5134-5

Date Collected: 05/24/24 08:56

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			05/28/24 09:01	05/30/24 20:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Xylenes, Total	ND		0.098	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/28/24 09:01	05/30/24 20:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/28/24 13:30	05/30/24 15:11	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/28/24 13:30	05/30/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			05/28/24 13:30	05/30/24 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		05/29/24 07:48	05/29/24 13:56	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-6

Lab Sample ID: 885-5134-6

Date Collected: 05/24/24 09:02

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			05/28/24 09:01	05/30/24 20:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Ethylbenzene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Toluene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Xylenes, Total	ND		0.096	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/28/24 09:01	05/30/24 20:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		05/28/24 13:30	05/30/24 16:00	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/28/24 13:30	05/30/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			05/28/24 13:30	05/30/24 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		59	mg/Kg		05/29/24 07:48	05/29/24 14:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			05/28/24 09:01	05/30/24 20:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Ethylbenzene	ND		0.047	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Toluene	ND		0.047	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Xylenes, Total	ND		0.094	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/28/24 09:01	05/30/24 20:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F2	8.7	mg/Kg		05/28/24 13:30	05/30/24 16:24	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/28/24 13:30	05/30/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			05/28/24 13:30	05/30/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		05/29/24 07:48	05/29/24 14:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-8

Lab Sample ID: 885-5134-8

Date Collected: 05/24/24 09:12

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 11:56	05/29/24 20:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Ethylbenzene	ND		0.047	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Toluene	ND		0.047	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Xylenes, Total	ND		0.095	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 11:56	05/29/24 20:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		05/30/24 14:51	05/31/24 15:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/30/24 14:51	05/31/24 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			05/30/24 14:51	05/31/24 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		60	mg/Kg		05/30/24 14:06	05/30/24 21:59	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			05/28/24 09:01	05/30/24 11:02	1

Lab Sample ID: LCS 885-5688/2-A
Matrix: Solid
Analysis Batch: 5929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.8		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	197	S1+	35 - 166				

Lab Sample ID: MB 885-5705/1-A
Matrix: Solid
Analysis Batch: 5860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5705

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			05/28/24 11:56	05/29/24 11:11	1

Lab Sample ID: LCS 885-5705/2-A
Matrix: Solid
Analysis Batch: 5860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.2		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201	S1+	35 - 166				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Ethylbenzene	ND		0.050	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Toluene	ND		0.050	mg/Kg		05/28/24 09:01	05/30/24 11:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/28/24 09:01	05/30/24 11:02	1

Lab Sample ID: LCS 885-5688/3-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.915		mg/Kg		91	70 - 130
Ethylbenzene	1.00	0.881		mg/Kg		88	70 - 130
Toluene	1.00	0.872		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	2.00	1.76		mg/Kg		88	70 - 130
o-Xylene	1.00	0.863		mg/Kg		86	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		48 - 145				

Lab Sample ID: MB 885-5705/1-A
Matrix: Solid
Analysis Batch: 5861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5705

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Ethylbenzene	ND		0.050	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Toluene	ND		0.050	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Xylenes, Total	ND		0.10	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 11:56	05/29/24 11:11	1

Lab Sample ID: LCS 885-5705/3-A
Matrix: Solid
Analysis Batch: 5861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.944		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.884		mg/Kg		88	70 - 130
Toluene	1.00	0.885		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	2.00	1.80		mg/Kg		90	70 - 130
o-Xylene	1.00	0.882		mg/Kg		88	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		48 - 145				

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 885-5134-7 MS
Matrix: Solid
Analysis Batch: 5938

Client Sample ID: NPW-7
Prep Type: Total/NA
Prep Batch: 5721

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND	F2	44.5	30.2		mg/Kg		68	44 - 136	
Surrogate	%Recovery	MS Qualifier	Limits							
Di-n-octyl phthalate (Surr)	58	S1-	62 - 134							

Lab Sample ID: 885-5134-7 MSD
Matrix: Solid
Analysis Batch: 5938

Client Sample ID: NPW-7
Prep Type: Total/NA
Prep Batch: 5721

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	F2	45.7	47.5	F2	mg/Kg		104	44 - 136	44	32
Surrogate	%Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	100		62 - 134								

Lab Sample ID: MB 885-5887/1-A
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5887

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/30/24 14:51	05/31/24 13:42	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/30/24 14:51	05/31/24 13:42	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared		Analyzed	Dil Fac	
Di-n-octyl phthalate (Surr)	113		62 - 134	05/30/24 14:51		05/31/24 13:42	1	

Lab Sample ID: LCS 885-5887/2-A
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	53.5		mg/Kg		107	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	106		62 - 134				

Lab Sample ID: 885-5134-8 MS
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: NPW-8
Prep Type: Total/NA
Prep Batch: 5887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.9	50.9		mg/Kg		106	44 - 136

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-5134-8 MS
 Matrix: Solid
 Analysis Batch: 5949

Client Sample ID: NPW-8
 Prep Type: Total/NA
 Prep Batch: 5887

Surrogate	%Recovery	MS MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	111		62 - 134

Lab Sample ID: 885-5134-8 MSD
 Matrix: Solid
 Analysis Batch: 5949

Client Sample ID: NPW-8
 Prep Type: Total/NA
 Prep Batch: 5887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.9	47.8		mg/Kg		96	44 - 136	6	32

Surrogate	%Recovery	MSD MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-5755/2-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/29/24 07:48	05/29/24 09:38	1

Lab Sample ID: LCS 885-5755/3-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: MRL 885-5755/1-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.50	3.29		mg/L		94	50 - 150

Lab Sample ID: 885-5134-1 MS
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-1
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	635	255	F1	mg/Kg		8	50 - 150

Lab Sample ID: 885-5134-1 MSD
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-1
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	624	262	F1	mg/Kg		9	50 - 150	3	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-5134-2 MS
Matrix: Solid
Analysis Batch: 5840

Client Sample ID: NPW-2
Prep Type: Total/NA
Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	635	248	F1	mg/Kg		5	50 - 150

Lab Sample ID: 885-5134-2 MSD
Matrix: Solid
Analysis Batch: 5840

Client Sample ID: NPW-2
Prep Type: Total/NA
Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	624	249	F1	mg/Kg		6	50 - 150	0	20

Lab Sample ID: MB 885-5840/72
Matrix: Solid
Analysis Batch: 5840

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			05/29/24 22:10	1

Lab Sample ID: MRL 885-5840/71
Matrix: Solid
Analysis Batch: 5840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.551		mg/L		110	50 - 150

Lab Sample ID: MB 885-5883/1-A
Matrix: Solid
Analysis Batch: 5918

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5883

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		05/30/24 14:06	05/30/24 16:38	1

Lab Sample ID: LCS 885-5883/2-A
Matrix: Solid
Analysis Batch: 5918

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.0		mg/Kg		93	90 - 110

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

GC VOA

Prep Batch: 5688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	5030C	
885-5134-2	NPW-2	Total/NA	Solid	5030C	
885-5134-3	NPW-3	Total/NA	Solid	5030C	
885-5134-4	NPW-4	Total/NA	Solid	5030C	
885-5134-5	NPW-5	Total/NA	Solid	5030C	
885-5134-6	NPW-6	Total/NA	Solid	5030C	
885-5134-7	NPW-7	Total/NA	Solid	5030C	
MB 885-5688/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-5688/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5688/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 5705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	5030C	
MB 885-5705/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-5705/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5705/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 5860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8015M/D	5705
MB 885-5705/1-A	Method Blank	Total/NA	Solid	8015M/D	5705
LCS 885-5705/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5705

Analysis Batch: 5861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8021B	5705
MB 885-5705/1-A	Method Blank	Total/NA	Solid	8021B	5705
LCS 885-5705/3-A	Lab Control Sample	Total/NA	Solid	8021B	5705

Analysis Batch: 5929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8015M/D	5688
885-5134-2	NPW-2	Total/NA	Solid	8015M/D	5688
885-5134-3	NPW-3	Total/NA	Solid	8015M/D	5688
885-5134-4	NPW-4	Total/NA	Solid	8015M/D	5688
885-5134-5	NPW-5	Total/NA	Solid	8015M/D	5688
885-5134-6	NPW-6	Total/NA	Solid	8015M/D	5688
885-5134-7	NPW-7	Total/NA	Solid	8015M/D	5688
MB 885-5688/1-A	Method Blank	Total/NA	Solid	8015M/D	5688
LCS 885-5688/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5688

Analysis Batch: 5930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8021B	5688
885-5134-2	NPW-2	Total/NA	Solid	8021B	5688
885-5134-3	NPW-3	Total/NA	Solid	8021B	5688
885-5134-4	NPW-4	Total/NA	Solid	8021B	5688
885-5134-5	NPW-5	Total/NA	Solid	8021B	5688
885-5134-6	NPW-6	Total/NA	Solid	8021B	5688
885-5134-7	NPW-7	Total/NA	Solid	8021B	5688

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

GC VOA (Continued)

Analysis Batch: 5930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-5688/1-A	Method Blank	Total/NA	Solid	8021B	5688
LCS 885-5688/3-A	Lab Control Sample	Total/NA	Solid	8021B	5688

GC Semi VOA

Prep Batch: 5721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	SHAKE	
885-5134-2	NPW-2	Total/NA	Solid	SHAKE	
885-5134-3	NPW-3	Total/NA	Solid	SHAKE	
885-5134-4	NPW-4	Total/NA	Solid	SHAKE	
885-5134-5	NPW-5	Total/NA	Solid	SHAKE	
885-5134-6	NPW-6	Total/NA	Solid	SHAKE	
885-5134-7	NPW-7	Total/NA	Solid	SHAKE	
885-5134-7 MS	NPW-7	Total/NA	Solid	SHAKE	
885-5134-7 MSD	NPW-7	Total/NA	Solid	SHAKE	

Prep Batch: 5887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	SHAKE	
MB 885-5887/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5887/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-5134-8 MS	NPW-8	Total/NA	Solid	SHAKE	
885-5134-8 MSD	NPW-8	Total/NA	Solid	SHAKE	

Analysis Batch: 5938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8015M/D	5721
885-5134-2	NPW-2	Total/NA	Solid	8015M/D	5721
885-5134-3	NPW-3	Total/NA	Solid	8015M/D	5721
885-5134-4	NPW-4	Total/NA	Solid	8015M/D	5721
885-5134-5	NPW-5	Total/NA	Solid	8015M/D	5721
885-5134-6	NPW-6	Total/NA	Solid	8015M/D	5721
885-5134-7	NPW-7	Total/NA	Solid	8015M/D	5721
885-5134-7 MS	NPW-7	Total/NA	Solid	8015M/D	5721
885-5134-7 MSD	NPW-7	Total/NA	Solid	8015M/D	5721

Analysis Batch: 5949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8015M/D	5887
MB 885-5887/1-A	Method Blank	Total/NA	Solid	8015M/D	5887
LCS 885-5887/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5887
885-5134-8 MS	NPW-8	Total/NA	Solid	8015M/D	5887
885-5134-8 MSD	NPW-8	Total/NA	Solid	8015M/D	5887

HPLC/IC

Prep Batch: 5755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	300_Prep	
885-5134-2	NPW-2	Total/NA	Solid	300_Prep	
885-5134-3	NPW-3	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

HPLC/IC (Continued)

Prep Batch: 5755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-4	NPW-4	Total/NA	Solid	300_Prep	
885-5134-5	NPW-5	Total/NA	Solid	300_Prep	
885-5134-6	NPW-6	Total/NA	Solid	300_Prep	
885-5134-7	NPW-7	Total/NA	Solid	300_Prep	
MB 885-5755/2-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5755/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
MRL 885-5755/1-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-5134-1 MS	NPW-1	Total/NA	Solid	300_Prep	
885-5134-1 MSD	NPW-1	Total/NA	Solid	300_Prep	
885-5134-2 MS	NPW-2	Total/NA	Solid	300_Prep	
885-5134-2 MSD	NPW-2	Total/NA	Solid	300_Prep	

Analysis Batch: 5840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	300.0	5755
885-5134-2	NPW-2	Total/NA	Solid	300.0	5755
885-5134-3	NPW-3	Total/NA	Solid	300.0	5755
885-5134-4	NPW-4	Total/NA	Solid	300.0	5755
885-5134-5	NPW-5	Total/NA	Solid	300.0	5755
885-5134-6	NPW-6	Total/NA	Solid	300.0	5755
885-5134-7	NPW-7	Total/NA	Solid	300.0	5755
MB 885-5755/2-A	Method Blank	Total/NA	Solid	300.0	5755
MB 885-5840/72	Method Blank	Total/NA	Solid	300.0	
LCS 885-5755/3-A	Lab Control Sample	Total/NA	Solid	300.0	5755
MRL 885-5755/1-A	Lab Control Sample	Total/NA	Solid	300.0	5755
MRL 885-5840/71	Lab Control Sample	Total/NA	Solid	300.0	
885-5134-1 MS	NPW-1	Total/NA	Solid	300.0	5755
885-5134-1 MSD	NPW-1	Total/NA	Solid	300.0	5755
885-5134-2 MS	NPW-2	Total/NA	Solid	300.0	5755
885-5134-2 MSD	NPW-2	Total/NA	Solid	300.0	5755

Prep Batch: 5883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	300_Prep	
MB 885-5883/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5883/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 5918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	300.0	5883
MB 885-5883/1-A	Method Blank	Total/NA	Solid	300.0	5883
LCS 885-5883/2-A	Lab Control Sample	Total/NA	Solid	300.0	5883

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-1

Lab Sample ID: 885-5134-1

Date Collected: 05/24/24 08:40

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 18:27
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 18:27
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 13:33
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 12:18

Client Sample ID: NPW-2

Lab Sample ID: 885-5134-2

Date Collected: 05/24/24 08:46

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 18:51
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 18:51
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 13:57
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 12:55

Client Sample ID: NPW-3

Lab Sample ID: 885-5134-3

Date Collected: 05/24/24 08:50

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 19:14
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 19:14
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 14:22
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:32

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 19:38

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 19:38
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 14:46
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:44

Client Sample ID: NPW-5

Lab Sample ID: 885-5134-5

Date Collected: 05/24/24 08:56

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:01
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:01
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 15:11
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:56

Client Sample ID: NPW-6

Lab Sample ID: 885-5134-6

Date Collected: 05/24/24 09:02

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:24
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:24
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 16:00
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 14:34

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:48
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:48

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 16:24
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 14:46

Client Sample ID: NPW-8

Lab Sample ID: 885-5134-8

Date Collected: 05/24/24 09:12

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5705	AT	EET ALB	05/28/24 11:56
Total/NA	Analysis	8015M/D		1	5860	JP	EET ALB	05/29/24 20:10
Total/NA	Prep	5030C			5705	AT	EET ALB	05/28/24 11:56
Total/NA	Analysis	8021B		1	5861	JP	EET ALB	05/29/24 20:10
Total/NA	Prep	SHAKE			5887	SB	EET ALB	05/30/24 14:51
Total/NA	Analysis	8015M/D		1	5949	JU	EET ALB	05/31/24 15:55
Total/NA	Prep	300_Prep			5883	RC	EET ALB	05/30/24 14:06
Total/NA	Analysis	300.0		20	5918	RC	EET ALB	05/30/24 21:59

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: AZ Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: J. Murfinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 7.5-0.1 = 2.4

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
5/21/24	0846	SOIL	NPW-1	1x4oz Jar	ICE	
	0846		NPW-2			
	0850		NPW-3			
	0854		NPW-4			
	0856		NPW-5			
	0902		NPW-6			
	0908		NPW-7			
	0912		NPW-8			

Received by: [Signature] Date: 5/21/24 Time: 1045
 Relinquished by: [Signature]
 Received by: [Signature] Date: 5/21/24 Time: 7:30



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 4901 Hawkins NE - Albuquerque, NM 87106
 Tel. 505-345-3975 Fax 505-345-4107
 885-5134 COC

Analysis Request

BTEX (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
Chloride (EPA 300)	X

Remarks: Bill to EOG Artesia



If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-5134-1

Login Number: 5134

List Source: Eurofins Albuquerque

List Number: 1

Creator: Rojas, Juan

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 7/24/2024 3:13:47 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-8018-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-8018-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-8018-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-8018-1

Job ID: 885-8018-1

Eurofins Albuquerque

Job Narrative 885-8018-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 7/16/2024 7:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-8875 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples degraded inlet liner, causing low surrogate recovery, all samples with low surrogate will be re-ran. Reporting all samples with passing surrogate. The following samples are associated P2-W1 (885-8018-1), P2-W2 (885-8018-2), P2-W3 (885-8018-3), P2-W4 (885-8018-4), P2-W6 (885-8018-6), P2-W7 (885-8018-7), P2-W9 (885-8018-9) and P2-W10 (885-8018-10).

Method 8015D_DRO: Surrogate recovery for the following samples is outside the lower control limit: P2-W16 (885-8018-16) and (885-8018-A-16-D MSD). Low surrogate recovery of both parent and MSD are confirmed by each other therefore re-extraction is not necessary. Reporting results as is.

Method 8015D_DRO: Surrogate recovery for the following sample is outside the lower control limit: P2-W8 (885-8018-8). Sample is preliminary data only and should not be in final report.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-8601 and analytical batch 885-8619 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W1

Lab Sample ID: 885-8018-1

Date Collected: 07/12/24 09:20

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/24 12:17	07/19/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			07/16/24 12:17	07/19/24 03:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 04:12	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 04:12	1
Toluene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 04:12	1
Xylenes, Total	ND		0.096	mg/Kg		07/16/24 12:17	07/18/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 04:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		07/17/24 14:29	07/22/24 11:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/22/24 11:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			07/17/24 14:29	07/22/24 11:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		07/17/24 13:50	07/18/24 02:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W2

Lab Sample ID: 885-8018-2

Date Collected: 07/12/24 09:24

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/24 12:17	07/19/24 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			07/16/24 12:17	07/19/24 03:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 04:34	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 04:34	1
Toluene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 04:34	1
Xylenes, Total	ND		0.097	mg/Kg		07/16/24 12:17	07/18/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 04:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.5	mg/Kg		07/17/24 14:29	07/22/24 11:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/24 14:29	07/22/24 11:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			07/17/24 14:29	07/22/24 11:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		07/17/24 13:50	07/18/24 02:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W3

Lab Sample ID: 885-8018-3

Date Collected: 07/12/24 09:26

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 04:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			07/16/24 12:17	07/19/24 04:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/24 12:17	07/18/24 05:17	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 05:17	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 05:17	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/24 12:17	07/18/24 05:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 05:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.8	mg/Kg		07/17/24 14:29	07/22/24 11:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/22/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			07/17/24 14:29	07/22/24 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		07/17/24 13:50	07/18/24 02:36	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W4

Lab Sample ID: 885-8018-4

Date Collected: 07/12/24 09:30

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			07/16/24 12:17	07/19/24 04:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 05:39	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 05:39	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 05:39	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/24 12:17	07/18/24 05:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 05:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	17		9.5	mg/Kg		07/17/24 14:29	07/22/24 11:54	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/17/24 14:29	07/22/24 11:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			07/17/24 14:29	07/22/24 11:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85		60	mg/Kg		07/17/24 13:50	07/18/24 02:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W5

Lab Sample ID: 885-8018-5

Date Collected: 07/12/24 09:34

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/24 12:17	07/19/24 04:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/16/24 12:17	07/19/24 04:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 06:01	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:01	1
Toluene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:01	1
Xylenes, Total	ND		0.097	mg/Kg		07/16/24 12:17	07/18/24 06:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 06:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		07/17/24 14:29	07/23/24 14:00	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		07/17/24 14:29	07/23/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	68		62 - 134			07/17/24 14:29	07/23/24 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		07/17/24 13:50	07/18/24 03:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W6

Lab Sample ID: 885-8018-6

Date Collected: 07/12/24 09:36

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/24 12:17	07/19/24 05:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/16/24 12:17	07/19/24 05:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 06:22	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:22	1
Toluene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:22	1
Xylenes, Total	ND		0.096	mg/Kg		07/16/24 12:17	07/18/24 06:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			07/16/24 12:17	07/18/24 06:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/17/24 14:29	07/22/24 12:15	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/22/24 12:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			07/17/24 14:29	07/22/24 12:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		07/17/24 13:50	07/18/24 03:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W7

Lab Sample ID: 885-8018-7

Date Collected: 07/12/24 09:40

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/16/24 12:17	07/19/24 05:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			07/16/24 12:17	07/19/24 05:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 06:44	1
Ethylbenzene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:44	1
Toluene	ND		0.048	mg/Kg		07/16/24 12:17	07/18/24 06:44	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/24 12:17	07/18/24 06:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 06:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		07/17/24 14:29	07/22/24 12:26	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/24 14:29	07/22/24 12:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			07/17/24 14:29	07/22/24 12:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		07/17/24 13:50	07/18/24 03:25	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W8

Lab Sample ID: 885-8018-8

Date Collected: 07/12/24 09:44

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/24 12:17	07/19/24 05:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			07/16/24 12:17	07/19/24 05:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/24 12:17	07/18/24 07:06	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 07:06	1
Toluene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 07:06	1
Xylenes, Total	ND		0.093	mg/Kg		07/16/24 12:17	07/18/24 07:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 07:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		07/17/24 14:29	07/23/24 14:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/23/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	56	S1-	62 - 134			07/17/24 14:29	07/23/24 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		07/17/24 15:56	07/17/24 23:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W9

Lab Sample ID: 885-8018-9

Date Collected: 07/12/24 09:48

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/24 12:17	07/19/24 06:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/16/24 12:17	07/19/24 06:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 07:28	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 07:28	1
Toluene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 07:28	1
Xylenes, Total	ND		0.095	mg/Kg		07/16/24 12:17	07/18/24 07:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 07:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		07/17/24 14:29	07/22/24 12:47	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/17/24 14:29	07/22/24 12:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			07/17/24 14:29	07/22/24 12:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		07/17/24 15:56	07/17/24 23:22	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W10

Lab Sample ID: 885-8018-10

Date Collected: 07/12/24 09:50

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		07/16/24 12:17	07/19/24 06:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			07/16/24 12:17	07/19/24 06:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/24 12:17	07/18/24 07:50	1
Ethylbenzene	ND		0.046	mg/Kg		07/16/24 12:17	07/18/24 07:50	1
Toluene	ND		0.046	mg/Kg		07/16/24 12:17	07/18/24 07:50	1
Xylenes, Total	ND		0.092	mg/Kg		07/16/24 12:17	07/18/24 07:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 07:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.9	mg/Kg		07/17/24 14:29	07/22/24 12:58	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/22/24 12:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	64		62 - 134			07/17/24 14:29	07/22/24 12:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		07/17/24 15:56	07/17/24 23:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W11

Lab Sample ID: 885-8018-11

Date Collected: 07/12/24 09:52

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/16/24 12:17	07/19/24 07:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			07/16/24 12:17	07/19/24 07:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/16/24 12:17	07/18/24 08:11	1
Ethylbenzene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 08:11	1
Toluene	ND		0.047	mg/Kg		07/16/24 12:17	07/18/24 08:11	1
Xylenes, Total	ND		0.094	mg/Kg		07/16/24 12:17	07/18/24 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			07/16/24 12:17	07/18/24 08:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.8	mg/Kg		07/17/24 14:29	07/23/24 04:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/23/24 04:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			07/17/24 14:29	07/23/24 04:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		07/17/24 15:56	07/17/24 23:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W12

Lab Sample ID: 885-8018-12

Date Collected: 07/12/24 09:54

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 07:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			07/16/24 12:17	07/19/24 07:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/24 12:17	07/18/24 08:33	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 08:33	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 08:33	1
Xylenes, Total	ND		0.099	mg/Kg		07/16/24 12:17	07/18/24 08:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 08:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		07/17/24 14:29	07/23/24 04:38	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/17/24 14:29	07/23/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			07/17/24 14:29	07/23/24 04:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		61	mg/Kg		07/17/24 15:56	07/17/24 23:59	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W13

Lab Sample ID: 885-8018-13

Date Collected: 07/12/24 10:00

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/24 12:17	07/19/24 07:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/16/24 12:17	07/19/24 07:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/24 12:17	07/18/24 09:39	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/24 12:17	07/18/24 09:39	1
Toluene	ND		0.050	mg/Kg		07/16/24 12:17	07/18/24 09:39	1
Xylenes, Total	ND		0.099	mg/Kg		07/16/24 12:17	07/18/24 09:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 09:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/17/24 14:29	07/23/24 05:02	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 14:29	07/23/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			07/17/24 14:29	07/23/24 05:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360	F2	60	mg/Kg		07/17/24 15:56	07/18/24 00:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W14

Lab Sample ID: 885-8018-14

Date Collected: 07/12/24 10:02

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 08:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			07/16/24 12:17	07/19/24 08:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 10:01	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:01	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:01	1
Xylenes, Total	ND		0.097	mg/Kg		07/16/24 12:17	07/18/24 10:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/16/24 12:17	07/18/24 10:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		07/17/24 14:29	07/23/24 05:27	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/17/24 14:29	07/23/24 05:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			07/17/24 14:29	07/23/24 05:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		07/17/24 15:56	07/18/24 00:48	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W15

Lab Sample ID: 885-8018-15

Date Collected: 07/12/24 10:04

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 08:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			07/16/24 12:17	07/19/24 08:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 10:22	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:22	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:22	1
Xylenes, Total	ND		0.098	mg/Kg		07/16/24 12:17	07/18/24 10:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/16/24 12:17	07/18/24 10:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		07/17/24 14:29	07/23/24 05:51	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/24 14:29	07/23/24 05:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			07/17/24 14:29	07/23/24 05:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		07/17/24 15:56	07/18/24 01:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W16

Lab Sample ID: 885-8018-16

Date Collected: 07/12/24 10:06

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/16/24 12:17	07/19/24 08:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			07/16/24 12:17	07/19/24 08:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/16/24 12:17	07/18/24 10:44	1
Ethylbenzene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:44	1
Toluene	ND		0.049	mg/Kg		07/16/24 12:17	07/18/24 10:44	1
Xylenes, Total	ND		0.097	mg/Kg		07/16/24 12:17	07/18/24 10:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			07/16/24 12:17	07/18/24 10:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		07/17/24 14:29	07/23/24 06:14	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/24 14:29	07/23/24 06:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	55	S1-	62 - 134			07/17/24 14:29	07/23/24 06:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		07/17/24 15:56	07/18/24 02:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W17

Lab Sample ID: 885-8018-17

Date Collected: 07/12/24 10:08

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/17/24 09:20	07/18/24 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/17/24 09:20	07/18/24 13:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 13:07	1
Ethylbenzene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 13:07	1
Toluene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 13:07	1
Xylenes, Total	ND		0.10	mg/Kg		07/17/24 09:20	07/18/24 13:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			07/17/24 09:20	07/18/24 13:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.1	mg/Kg		07/17/24 16:31	07/19/24 10:20	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/17/24 16:31	07/19/24 10:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			07/17/24 16:31	07/19/24 10:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	95		60	mg/Kg		07/17/24 15:56	07/18/24 02:15	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W18

Lab Sample ID: 885-8018-18

Date Collected: 07/12/24 10:12

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/17/24 09:20	07/18/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			07/17/24 09:20	07/18/24 14:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 14:18	1
Ethylbenzene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 14:18	1
Toluene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 14:18	1
Xylenes, Total	ND		0.10	mg/Kg		07/17/24 09:20	07/18/24 14:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			07/17/24 09:20	07/18/24 14:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		9.5	mg/Kg		07/17/24 16:31	07/18/24 12:38	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/17/24 16:31	07/18/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			07/17/24 16:31	07/18/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		07/17/24 15:56	07/18/24 02:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W19

Lab Sample ID: 885-8018-19

Date Collected: 07/12/24 10:20

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/17/24 09:20	07/18/24 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			07/17/24 09:20	07/18/24 15:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 15:30	1
Ethylbenzene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 15:30	1
Toluene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 15:30	1
Xylenes, Total	ND		0.10	mg/Kg		07/17/24 09:20	07/18/24 15:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			07/17/24 09:20	07/18/24 15:30	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/17/24 16:31	07/19/24 11:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 11:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			07/17/24 16:31	07/19/24 11:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		07/17/24 15:56	07/18/24 02:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W20

Lab Sample ID: 885-8018-20

Date Collected: 07/12/24 10:24

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			07/17/24 09:20	07/18/24 15:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 15:53	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 15:53	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 15:53	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 15:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			07/17/24 09:20	07/18/24 15:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		07/17/24 16:31	07/19/24 11:36	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		07/17/24 16:31	07/19/24 11:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			07/17/24 16:31	07/19/24 11:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		07/17/24 15:56	07/18/24 02:52	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W21

Lab Sample ID: 885-8018-21

Date Collected: 07/12/24 10:30

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/17/24 09:20	07/18/24 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			07/17/24 09:20	07/18/24 16:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 16:17	1
Ethylbenzene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 16:17	1
Toluene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 16:17	1
Xylenes, Total	ND		0.096	mg/Kg		07/17/24 09:20	07/18/24 16:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			07/17/24 09:20	07/18/24 16:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	22		9.1	mg/Kg		07/17/24 16:31	07/19/24 11:58	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/17/24 16:31	07/19/24 11:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			07/17/24 16:31	07/19/24 11:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		07/17/24 15:56	07/18/24 03:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B8

Lab Sample ID: 885-8018-22

Date Collected: 07/12/24 11:30

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			07/17/24 09:20	07/18/24 16:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 16:41	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 16:41	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 16:41	1
Xylenes, Total	ND		0.097	mg/Kg		07/17/24 09:20	07/18/24 16:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			07/17/24 09:20	07/18/24 16:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		07/17/24 16:31	07/19/24 12:20	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		07/17/24 16:31	07/19/24 12:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	128		62 - 134			07/17/24 16:31	07/19/24 12:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		07/17/24 15:56	07/18/24 03:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B9

Lab Sample ID: 885-8018-23

Date Collected: 07/12/24 11:32

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/17/24 09:20	07/18/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			07/17/24 09:20	07/18/24 17:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 17:05	1
Ethylbenzene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 17:05	1
Toluene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 17:05	1
Xylenes, Total	ND		0.10	mg/Kg		07/17/24 09:20	07/18/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			07/17/24 09:20	07/18/24 17:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		9.8	mg/Kg		07/17/24 16:31	07/19/24 12:42	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 12:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			07/17/24 16:31	07/19/24 12:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		07/17/24 15:56	07/18/24 03:29	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B10

Lab Sample ID: 885-8018-24

Date Collected: 07/12/24 11:34

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			07/17/24 09:20	07/18/24 17:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 17:28	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 17:28	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 17:28	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			07/17/24 09:20	07/18/24 17:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		07/17/24 16:31	07/19/24 13:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		07/17/24 16:31	07/19/24 13:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			07/17/24 16:31	07/19/24 13:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		07/17/24 15:56	07/18/24 04:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B11

Lab Sample ID: 885-8018-25

Date Collected: 07/12/24 11:40

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			07/17/24 09:20	07/18/24 17:52	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 17:52	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 17:52	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 17:52	1
Xylenes, Total	ND		0.097	mg/Kg		07/17/24 09:20	07/18/24 17:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			07/17/24 09:20	07/18/24 17:52	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		07/17/24 16:31	07/19/24 13:36	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			07/17/24 16:31	07/19/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		07/17/24 15:56	07/18/24 04:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B12

Lab Sample ID: 885-8018-26

Date Collected: 07/12/24 11:42

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			07/17/24 09:20	07/18/24 19:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 19:03	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:03	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:03	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 19:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			07/17/24 09:20	07/18/24 19:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		07/17/24 16:31	07/19/24 13:58	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		07/17/24 16:31	07/19/24 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			07/17/24 16:31	07/19/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		07/17/24 15:56	07/18/24 04:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B17

Lab Sample ID: 885-8018-27

Date Collected: 07/12/24 11:44

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			07/17/24 09:20	07/18/24 19:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 19:27	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:27	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:27	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 19:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			07/17/24 09:20	07/18/24 19:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		07/17/24 16:31	07/19/24 14:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 14:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			07/17/24 16:31	07/19/24 14:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		07/18/24 08:22	07/18/24 09:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B22

Lab Sample ID: 885-8018-28

Date Collected: 07/12/24 11:46

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			07/17/24 09:20	07/18/24 19:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 19:50	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:50	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 19:50	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 19:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			07/17/24 09:20	07/18/24 19:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		07/17/24 16:31	07/19/24 14:42	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 14:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			07/17/24 16:31	07/19/24 14:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		07/18/24 08:22	07/18/24 10:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B24

Lab Sample ID: 885-8018-29

Date Collected: 07/12/24 11:50

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		07/17/24 09:20	07/18/24 20:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			07/17/24 09:20	07/18/24 20:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 20:14	1
Ethylbenzene	ND		0.047	mg/Kg		07/17/24 09:20	07/18/24 20:14	1
Toluene	ND		0.047	mg/Kg		07/17/24 09:20	07/18/24 20:14	1
Xylenes, Total	ND		0.095	mg/Kg		07/17/24 09:20	07/18/24 20:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			07/17/24 09:20	07/18/24 20:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	9.8		8.6	mg/Kg		07/17/24 16:31	07/19/24 15:04	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		07/17/24 16:31	07/19/24 15:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			07/17/24 16:31	07/19/24 15:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		60	mg/Kg		07/18/24 08:22	07/18/24 11:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B27

Lab Sample ID: 885-8018-30

Date Collected: 07/12/24 11:52

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/17/24 09:20	07/18/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			07/17/24 09:20	07/18/24 20:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 20:37	1
Ethylbenzene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 20:37	1
Toluene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 20:37	1
Xylenes, Total	ND		0.097	mg/Kg		07/17/24 09:20	07/18/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			07/17/24 09:20	07/18/24 20:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		07/17/24 16:31	07/19/24 15:26	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		07/17/24 16:31	07/19/24 15:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			07/17/24 16:31	07/19/24 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		60	mg/Kg		07/18/24 08:22	07/18/24 11:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B28

Lab Sample ID: 885-8018-31

Date Collected: 07/12/24 11:54

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		07/17/24 09:20	07/18/24 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			07/17/24 09:20	07/18/24 21:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 21:01	1
Ethylbenzene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 21:01	1
Toluene	ND		0.048	mg/Kg		07/17/24 09:20	07/18/24 21:01	1
Xylenes, Total	ND		0.097	mg/Kg		07/17/24 09:20	07/18/24 21:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			07/17/24 09:20	07/18/24 21:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		07/17/24 16:31	07/19/24 15:48	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		07/17/24 16:31	07/19/24 15:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			07/17/24 16:31	07/19/24 15:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		07/18/24 08:22	07/18/24 11:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B31

Lab Sample ID: 885-8018-32

Date Collected: 07/12/24 11:56

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		07/17/24 09:20	07/18/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			07/17/24 09:20	07/18/24 21:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		07/17/24 09:20	07/18/24 21:25	1
Ethylbenzene	ND		0.046	mg/Kg		07/17/24 09:20	07/18/24 21:25	1
Toluene	ND		0.046	mg/Kg		07/17/24 09:20	07/18/24 21:25	1
Xylenes, Total	ND		0.092	mg/Kg		07/17/24 09:20	07/18/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			07/17/24 09:20	07/18/24 21:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		07/17/24 16:31	07/19/24 16:10	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		07/17/24 16:31	07/19/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			07/17/24 16:31	07/19/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		07/18/24 08:22	07/18/24 12:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: PS-17A

Lab Sample ID: 885-8018-33

Date Collected: 07/12/24 12:00

Matrix: Solid

Date Received: 07/16/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		07/17/24 09:20	07/18/24 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			07/17/24 09:20	07/18/24 21:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		07/17/24 09:20	07/18/24 21:48	1
Ethylbenzene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 21:48	1
Toluene	ND		0.049	mg/Kg		07/17/24 09:20	07/18/24 21:48	1
Xylenes, Total	ND		0.098	mg/Kg		07/17/24 09:20	07/18/24 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			07/17/24 09:20	07/18/24 21:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		07/17/24 16:31	07/19/24 16:32	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		07/17/24 16:31	07/19/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			07/17/24 16:31	07/19/24 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		07/18/24 08:22	07/18/24 12:20	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-8499/1-A
Matrix: Solid
Analysis Batch: 8769

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8499

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/16/24 12:17	07/19/24 00:55	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			07/16/24 12:17	07/19/24 00:55	1

Lab Sample ID: LCS 885-8499/2-A
Matrix: Solid
Analysis Batch: 8769

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8499

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.0		mg/Kg		92	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	203	S1+	35 - 166				

Lab Sample ID: MB 885-8549/1-A
Matrix: Solid
Analysis Batch: 8761

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8549

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		07/17/24 09:20	07/18/24 12:20	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			07/17/24 09:20	07/18/24 12:20	1

Lab Sample ID: LCS 885-8549/2-A
Matrix: Solid
Analysis Batch: 8761

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8549

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.2		mg/Kg		93	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201	S1+	35 - 166				

Lab Sample ID: 885-8018-17 MS
Matrix: Solid
Analysis Batch: 8761

Client Sample ID: P2-W17
Prep Type: Total/NA
Prep Batch: 8549

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	24.1		mg/Kg		97	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-8018-17 MS
 Matrix: Solid
 Analysis Batch: 8761

Client Sample ID: P2-W17
 Prep Type: Total/NA
 Prep Batch: 8549

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	209	S1+	35 - 166

Lab Sample ID: 885-8018-17 MSD
 Matrix: Solid
 Analysis Batch: 8761

Client Sample ID: P2-W17
 Prep Type: Total/NA
 Prep Batch: 8549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	23.8		mg/Kg		95	70 - 130	1	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	211	S1+	35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-8499/1-A
 Matrix: Solid
 Analysis Batch: 8678

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8499

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/16/24 12:17	07/18/24 00:56	1
Ethylbenzene	ND		0.050	mg/Kg		07/16/24 12:17	07/18/24 00:56	1
Toluene	ND		0.050	mg/Kg		07/16/24 12:17	07/18/24 00:56	1
Xylenes, Total	ND		0.10	mg/Kg		07/16/24 12:17	07/18/24 00:56	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145	07/16/24 12:17	07/18/24 00:56	1

Lab Sample ID: LCS 885-8499/3-A
 Matrix: Solid
 Analysis Batch: 8678

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8499

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Benzene	1.00	0.887		mg/Kg		89	70 - 130	
Ethylbenzene	1.00	0.896		mg/Kg		90	70 - 130	
Toluene	1.00	0.885		mg/Kg		89	70 - 130	
m-Xylene & p-Xylene	2.00	1.79		mg/Kg		90	70 - 130	
o-Xylene	1.00	0.902		mg/Kg		90	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		48 - 145

Lab Sample ID: MB 885-8549/1-A
 Matrix: Solid
 Analysis Batch: 8763

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8549

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		07/17/24 09:20	07/18/24 12:20	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-8549/1-A
Matrix: Solid
Analysis Batch: 8763

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 8549

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 12:20	1
Toluene	ND		0.050	mg/Kg		07/17/24 09:20	07/18/24 12:20	1
Xylenes, Total	ND		0.10	mg/Kg		07/17/24 09:20	07/18/24 12:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	94		48 - 145	07/17/24 09:20	07/18/24 12:20	1

Lab Sample ID: LCS 885-8549/3-A
Matrix: Solid
Analysis Batch: 8763

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 8549

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	0.891		mg/Kg		89	70 - 130
Ethylbenzene	1.00	0.852		mg/Kg		85	70 - 130
Toluene	1.00	0.848		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	2.00	1.74		mg/Kg		87	70 - 130
o-Xylene	1.00	0.842		mg/Kg		84	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		48 - 145

Lab Sample ID: 885-8018-18 MS
Matrix: Solid
Analysis Batch: 8763

Client Sample ID: P2-W18
Prep Type: Total/NA
Prep Batch: 8549

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	ND		0.998	0.917		mg/Kg		92	70 - 130
Ethylbenzene	ND		0.998	0.879		mg/Kg		88	70 - 130
Toluene	ND		0.998	0.881		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	ND		2.00	1.78		mg/Kg		88	70 - 130
o-Xylene	ND		0.998	0.871		mg/Kg		87	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	99		48 - 145

Lab Sample ID: 885-8018-18 MSD
Matrix: Solid
Analysis Batch: 8763

Client Sample ID: P2-W18
Prep Type: Total/NA
Prep Batch: 8549

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Benzene	ND		0.994	0.915		mg/Kg		92	70 - 130	0	20
Ethylbenzene	ND		0.994	0.899		mg/Kg		90	70 - 130	2	20
Toluene	ND		0.994	0.888		mg/Kg		88	70 - 130	1	20
m-Xylene & p-Xylene	ND		1.99	1.82		mg/Kg		90	70 - 130	2	20
o-Xylene	ND		0.994	0.888		mg/Kg		89	70 - 130	2	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-8018-18 MSD
 Matrix: Solid
 Analysis Batch: 8763

Client Sample ID: P2-W18
 Prep Type: Total/NA
 Prep Batch: 8549

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 885-8018-16 MS
 Matrix: Solid
 Analysis Batch: 8878

Client Sample ID: P2-W16
 Prep Type: Total/NA
 Prep Batch: 8595

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		48.0	47.4		mg/Kg		99	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	93		62 - 134

Lab Sample ID: 885-8018-16 MSD
 Matrix: Solid
 Analysis Batch: 8878

Client Sample ID: P2-W16
 Prep Type: Total/NA
 Prep Batch: 8595

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.1	49.7		mg/Kg		103	44 - 136	5	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	59	S1-	62 - 134

Lab Sample ID: MB 885-8606/1-A
 Matrix: Solid
 Analysis Batch: 8751

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8606

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		07/17/24 16:31	07/19/24 09:58	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		07/17/24 16:31	07/19/24 09:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	117		62 - 134	07/17/24 16:31	07/19/24 09:58	1

Lab Sample ID: LCS 885-8606/2-A
 Matrix: Solid
 Analysis Batch: 8751

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8606

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	55.1		mg/Kg		110	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	119		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-8592/1-A
 Matrix: Solid
 Analysis Batch: 8625

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		07/17/24 13:50	07/17/24 21:27	1

Lab Sample ID: LCS 885-8592/2-A
 Matrix: Solid
 Analysis Batch: 8625

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: MB 885-8601/1-A
 Matrix: Solid
 Analysis Batch: 8619

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8601

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		07/17/24 15:56	07/17/24 22:08	1

Lab Sample ID: LCS 885-8601/2-A
 Matrix: Solid
 Analysis Batch: 8619

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8601

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.9		mg/Kg		96	90 - 110

Lab Sample ID: MB 885-8628/1-A
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		07/18/24 08:22	07/18/24 09:20	1

Lab Sample ID: LCS 885-8628/2-A
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.3		mg/Kg		94	90 - 110

Lab Sample ID: 885-8018-27 MS
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: P2-B17
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	130		30.1	168	4	mg/Kg		127	50 - 150

Lab Sample ID: 885-8018-27 MSD
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: P2-B17
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	130		29.8	186	4	mg/Kg		188	50 - 150	10	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-8018-28 MS
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: P2-B22
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	280		29.9	267	4	mg/Kg		-43	50 - 150

Lab Sample ID: 885-8018-28 MSD
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: P2-B22
 Prep Type: Total/NA
 Prep Batch: 8628

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	280		30.3	291	4	mg/Kg		37	50 - 150	9	20

Lab Sample ID: MB 885-8749/101
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			07/18/24 22:37	1

Lab Sample ID: MRL 885-8749/100
 Matrix: Solid
 Analysis Batch: 8749

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.523		mg/L		105	50 - 150

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

GC VOA

Prep Batch: 8499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	5030C	
885-8018-2	P2-W2	Total/NA	Solid	5030C	
885-8018-3	P2-W3	Total/NA	Solid	5030C	
885-8018-4	P2-W4	Total/NA	Solid	5030C	
885-8018-5	P2-W5	Total/NA	Solid	5030C	
885-8018-6	P2-W6	Total/NA	Solid	5030C	
885-8018-7	P2-W7	Total/NA	Solid	5030C	
885-8018-8	P2-W8	Total/NA	Solid	5030C	
885-8018-9	P2-W9	Total/NA	Solid	5030C	
885-8018-10	P2-W10	Total/NA	Solid	5030C	
885-8018-11	P2-W11	Total/NA	Solid	5030C	
885-8018-12	P2-W12	Total/NA	Solid	5030C	
885-8018-13	P2-W13	Total/NA	Solid	5030C	
885-8018-14	P2-W14	Total/NA	Solid	5030C	
885-8018-15	P2-W15	Total/NA	Solid	5030C	
885-8018-16	P2-W16	Total/NA	Solid	5030C	
MB 885-8499/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-8499/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-8499/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 8549

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-17	P2-W17	Total/NA	Solid	5030C	
885-8018-18	P2-W18	Total/NA	Solid	5030C	
885-8018-19	P2-W19	Total/NA	Solid	5030C	
885-8018-20	P2-W20	Total/NA	Solid	5030C	
885-8018-21	P2-W21	Total/NA	Solid	5030C	
885-8018-22	P2-B8	Total/NA	Solid	5030C	
885-8018-23	P2-B9	Total/NA	Solid	5030C	
885-8018-24	P2-B10	Total/NA	Solid	5030C	
885-8018-25	P2-B11	Total/NA	Solid	5030C	
885-8018-26	P2-B12	Total/NA	Solid	5030C	
885-8018-27	P2-B17	Total/NA	Solid	5030C	
885-8018-28	P2-B22	Total/NA	Solid	5030C	
885-8018-29	P2-B24	Total/NA	Solid	5030C	
885-8018-30	P2-B27	Total/NA	Solid	5030C	
885-8018-31	P2-B28	Total/NA	Solid	5030C	
885-8018-32	P2-B31	Total/NA	Solid	5030C	
885-8018-33	PS-17A	Total/NA	Solid	5030C	
MB 885-8549/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-8549/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-8549/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-8018-17 MS	P2-W17	Total/NA	Solid	5030C	
885-8018-17 MSD	P2-W17	Total/NA	Solid	5030C	
885-8018-18 MS	P2-W18	Total/NA	Solid	5030C	
885-8018-18 MSD	P2-W18	Total/NA	Solid	5030C	

Analysis Batch: 8678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	8021B	8499
885-8018-2	P2-W2	Total/NA	Solid	8021B	8499

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

GC VOA (Continued)

Analysis Batch: 8678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-3	P2-W3	Total/NA	Solid	8021B	8499
885-8018-4	P2-W4	Total/NA	Solid	8021B	8499
885-8018-5	P2-W5	Total/NA	Solid	8021B	8499
885-8018-6	P2-W6	Total/NA	Solid	8021B	8499
885-8018-7	P2-W7	Total/NA	Solid	8021B	8499
885-8018-8	P2-W8	Total/NA	Solid	8021B	8499
885-8018-9	P2-W9	Total/NA	Solid	8021B	8499
885-8018-10	P2-W10	Total/NA	Solid	8021B	8499
885-8018-11	P2-W11	Total/NA	Solid	8021B	8499
885-8018-12	P2-W12	Total/NA	Solid	8021B	8499
885-8018-13	P2-W13	Total/NA	Solid	8021B	8499
885-8018-14	P2-W14	Total/NA	Solid	8021B	8499
885-8018-15	P2-W15	Total/NA	Solid	8021B	8499
885-8018-16	P2-W16	Total/NA	Solid	8021B	8499
MB 885-8499/1-A	Method Blank	Total/NA	Solid	8021B	8499
LCS 885-8499/3-A	Lab Control Sample	Total/NA	Solid	8021B	8499

Analysis Batch: 8761

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-17	P2-W17	Total/NA	Solid	8015M/D	8549
885-8018-18	P2-W18	Total/NA	Solid	8015M/D	8549
885-8018-19	P2-W19	Total/NA	Solid	8015M/D	8549
885-8018-20	P2-W20	Total/NA	Solid	8015M/D	8549
885-8018-21	P2-W21	Total/NA	Solid	8015M/D	8549
885-8018-22	P2-B8	Total/NA	Solid	8015M/D	8549
885-8018-23	P2-B9	Total/NA	Solid	8015M/D	8549
885-8018-24	P2-B10	Total/NA	Solid	8015M/D	8549
885-8018-25	P2-B11	Total/NA	Solid	8015M/D	8549
885-8018-26	P2-B12	Total/NA	Solid	8015M/D	8549
885-8018-27	P2-B17	Total/NA	Solid	8015M/D	8549
885-8018-28	P2-B22	Total/NA	Solid	8015M/D	8549
885-8018-29	P2-B24	Total/NA	Solid	8015M/D	8549
885-8018-30	P2-B27	Total/NA	Solid	8015M/D	8549
885-8018-31	P2-B28	Total/NA	Solid	8015M/D	8549
885-8018-32	P2-B31	Total/NA	Solid	8015M/D	8549
885-8018-33	PS-17A	Total/NA	Solid	8015M/D	8549
MB 885-8549/1-A	Method Blank	Total/NA	Solid	8015M/D	8549
LCS 885-8549/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	8549
885-8018-17 MS	P2-W17	Total/NA	Solid	8015M/D	8549
885-8018-17 MSD	P2-W17	Total/NA	Solid	8015M/D	8549

Analysis Batch: 8763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-17	P2-W17	Total/NA	Solid	8021B	8549
885-8018-18	P2-W18	Total/NA	Solid	8021B	8549
885-8018-19	P2-W19	Total/NA	Solid	8021B	8549
885-8018-20	P2-W20	Total/NA	Solid	8021B	8549
885-8018-21	P2-W21	Total/NA	Solid	8021B	8549
885-8018-22	P2-B8	Total/NA	Solid	8021B	8549
885-8018-23	P2-B9	Total/NA	Solid	8021B	8549
885-8018-24	P2-B10	Total/NA	Solid	8021B	8549

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

GC VOA (Continued)

Analysis Batch: 8763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-25	P2-B11	Total/NA	Solid	8021B	8549
885-8018-26	P2-B12	Total/NA	Solid	8021B	8549
885-8018-27	P2-B17	Total/NA	Solid	8021B	8549
885-8018-28	P2-B22	Total/NA	Solid	8021B	8549
885-8018-29	P2-B24	Total/NA	Solid	8021B	8549
885-8018-30	P2-B27	Total/NA	Solid	8021B	8549
885-8018-31	P2-B28	Total/NA	Solid	8021B	8549
885-8018-32	P2-B31	Total/NA	Solid	8021B	8549
885-8018-33	PS-17A	Total/NA	Solid	8021B	8549
MB 885-8549/1-A	Method Blank	Total/NA	Solid	8021B	8549
LCS 885-8549/3-A	Lab Control Sample	Total/NA	Solid	8021B	8549
885-8018-18 MS	P2-W18	Total/NA	Solid	8021B	8549
885-8018-18 MSD	P2-W18	Total/NA	Solid	8021B	8549

Analysis Batch: 8769

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	8015M/D	8499
885-8018-2	P2-W2	Total/NA	Solid	8015M/D	8499
885-8018-3	P2-W3	Total/NA	Solid	8015M/D	8499
885-8018-4	P2-W4	Total/NA	Solid	8015M/D	8499
885-8018-5	P2-W5	Total/NA	Solid	8015M/D	8499
885-8018-6	P2-W6	Total/NA	Solid	8015M/D	8499
885-8018-7	P2-W7	Total/NA	Solid	8015M/D	8499
885-8018-8	P2-W8	Total/NA	Solid	8015M/D	8499
885-8018-9	P2-W9	Total/NA	Solid	8015M/D	8499
885-8018-10	P2-W10	Total/NA	Solid	8015M/D	8499
885-8018-11	P2-W11	Total/NA	Solid	8015M/D	8499
885-8018-12	P2-W12	Total/NA	Solid	8015M/D	8499
885-8018-13	P2-W13	Total/NA	Solid	8015M/D	8499
885-8018-14	P2-W14	Total/NA	Solid	8015M/D	8499
885-8018-15	P2-W15	Total/NA	Solid	8015M/D	8499
885-8018-16	P2-W16	Total/NA	Solid	8015M/D	8499
MB 885-8499/1-A	Method Blank	Total/NA	Solid	8015M/D	8499
LCS 885-8499/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	8499

GC Semi VOA

Prep Batch: 8595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	SHAKE	
885-8018-2	P2-W2	Total/NA	Solid	SHAKE	
885-8018-3	P2-W3	Total/NA	Solid	SHAKE	
885-8018-4	P2-W4	Total/NA	Solid	SHAKE	
885-8018-5	P2-W5	Total/NA	Solid	SHAKE	
885-8018-6	P2-W6	Total/NA	Solid	SHAKE	
885-8018-7	P2-W7	Total/NA	Solid	SHAKE	
885-8018-8	P2-W8	Total/NA	Solid	SHAKE	
885-8018-9	P2-W9	Total/NA	Solid	SHAKE	
885-8018-10	P2-W10	Total/NA	Solid	SHAKE	
885-8018-11	P2-W11	Total/NA	Solid	SHAKE	
885-8018-12	P2-W12	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

GC Semi VOA (Continued)

Prep Batch: 8595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-13	P2-W13	Total/NA	Solid	SHAKE	
885-8018-14	P2-W14	Total/NA	Solid	SHAKE	
885-8018-15	P2-W15	Total/NA	Solid	SHAKE	
885-8018-16	P2-W16	Total/NA	Solid	SHAKE	
885-8018-16 MS	P2-W16	Total/NA	Solid	SHAKE	
885-8018-16 MSD	P2-W16	Total/NA	Solid	SHAKE	

Prep Batch: 8606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-17	P2-W17	Total/NA	Solid	SHAKE	
885-8018-18	P2-W18	Total/NA	Solid	SHAKE	
885-8018-19	P2-W19	Total/NA	Solid	SHAKE	
885-8018-20	P2-W20	Total/NA	Solid	SHAKE	
885-8018-21	P2-W21	Total/NA	Solid	SHAKE	
885-8018-22	P2-B8	Total/NA	Solid	SHAKE	
885-8018-23	P2-B9	Total/NA	Solid	SHAKE	
885-8018-24	P2-B10	Total/NA	Solid	SHAKE	
885-8018-25	P2-B11	Total/NA	Solid	SHAKE	
885-8018-26	P2-B12	Total/NA	Solid	SHAKE	
885-8018-27	P2-B17	Total/NA	Solid	SHAKE	
885-8018-28	P2-B22	Total/NA	Solid	SHAKE	
885-8018-29	P2-B24	Total/NA	Solid	SHAKE	
885-8018-30	P2-B27	Total/NA	Solid	SHAKE	
885-8018-31	P2-B28	Total/NA	Solid	SHAKE	
885-8018-32	P2-B31	Total/NA	Solid	SHAKE	
885-8018-33	PS-17A	Total/NA	Solid	SHAKE	
MB 885-8606/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-8606/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 8655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-18	P2-W18	Total/NA	Solid	8015M/D	8606

Analysis Batch: 8751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-17	P2-W17	Total/NA	Solid	8015M/D	8606
885-8018-19	P2-W19	Total/NA	Solid	8015M/D	8606
885-8018-20	P2-W20	Total/NA	Solid	8015M/D	8606
885-8018-21	P2-W21	Total/NA	Solid	8015M/D	8606
885-8018-22	P2-B8	Total/NA	Solid	8015M/D	8606
885-8018-23	P2-B9	Total/NA	Solid	8015M/D	8606
885-8018-24	P2-B10	Total/NA	Solid	8015M/D	8606
885-8018-25	P2-B11	Total/NA	Solid	8015M/D	8606
885-8018-26	P2-B12	Total/NA	Solid	8015M/D	8606
885-8018-27	P2-B17	Total/NA	Solid	8015M/D	8606
885-8018-28	P2-B22	Total/NA	Solid	8015M/D	8606
885-8018-29	P2-B24	Total/NA	Solid	8015M/D	8606
885-8018-30	P2-B27	Total/NA	Solid	8015M/D	8606
885-8018-31	P2-B28	Total/NA	Solid	8015M/D	8606
885-8018-32	P2-B31	Total/NA	Solid	8015M/D	8606
885-8018-33	PS-17A	Total/NA	Solid	8015M/D	8606

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-8018-1

GC Semi VOA (Continued)

Analysis Batch: 8751 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-8606/1-A	Method Blank	Total/NA	Solid	8015M/D	8606
LCS 885-8606/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	8606

Analysis Batch: 8875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	8015M/D	8595
885-8018-2	P2-W2	Total/NA	Solid	8015M/D	8595
885-8018-3	P2-W3	Total/NA	Solid	8015M/D	8595
885-8018-4	P2-W4	Total/NA	Solid	8015M/D	8595
885-8018-6	P2-W6	Total/NA	Solid	8015M/D	8595
885-8018-7	P2-W7	Total/NA	Solid	8015M/D	8595
885-8018-9	P2-W9	Total/NA	Solid	8015M/D	8595
885-8018-10	P2-W10	Total/NA	Solid	8015M/D	8595

Analysis Batch: 8878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-11	P2-W11	Total/NA	Solid	8015M/D	8595
885-8018-12	P2-W12	Total/NA	Solid	8015M/D	8595
885-8018-13	P2-W13	Total/NA	Solid	8015M/D	8595
885-8018-14	P2-W14	Total/NA	Solid	8015M/D	8595
885-8018-15	P2-W15	Total/NA	Solid	8015M/D	8595
885-8018-16	P2-W16	Total/NA	Solid	8015M/D	8595
885-8018-16 MS	P2-W16	Total/NA	Solid	8015M/D	8595
885-8018-16 MSD	P2-W16	Total/NA	Solid	8015M/D	8595

Analysis Batch: 8986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-5	P2-W5	Total/NA	Solid	8015M/D	8595
885-8018-8	P2-W8	Total/NA	Solid	8015M/D	8595

HPLC/IC

Prep Batch: 8592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	300_Prep	
885-8018-2	P2-W2	Total/NA	Solid	300_Prep	
885-8018-3	P2-W3	Total/NA	Solid	300_Prep	
885-8018-4	P2-W4	Total/NA	Solid	300_Prep	
885-8018-5	P2-W5	Total/NA	Solid	300_Prep	
885-8018-6	P2-W6	Total/NA	Solid	300_Prep	
885-8018-7	P2-W7	Total/NA	Solid	300_Prep	
MB 885-8592/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-8592/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 8601

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-8	P2-W8	Total/NA	Solid	300_Prep	
885-8018-9	P2-W9	Total/NA	Solid	300_Prep	
885-8018-10	P2-W10	Total/NA	Solid	300_Prep	
885-8018-11	P2-W11	Total/NA	Solid	300_Prep	
885-8018-12	P2-W12	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

HPLC/IC (Continued)

Prep Batch: 8601 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-13	P2-W13	Total/NA	Solid	300_Prep	
885-8018-14	P2-W14	Total/NA	Solid	300_Prep	
885-8018-15	P2-W15	Total/NA	Solid	300_Prep	
885-8018-16	P2-W16	Total/NA	Solid	300_Prep	
885-8018-17	P2-W17	Total/NA	Solid	300_Prep	
885-8018-18	P2-W18	Total/NA	Solid	300_Prep	
885-8018-19	P2-W19	Total/NA	Solid	300_Prep	
885-8018-20	P2-W20	Total/NA	Solid	300_Prep	
885-8018-21	P2-W21	Total/NA	Solid	300_Prep	
885-8018-22	P2-B8	Total/NA	Solid	300_Prep	
885-8018-23	P2-B9	Total/NA	Solid	300_Prep	
885-8018-24	P2-B10	Total/NA	Solid	300_Prep	
885-8018-25	P2-B11	Total/NA	Solid	300_Prep	
885-8018-26	P2-B12	Total/NA	Solid	300_Prep	
MB 885-8601/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-8601/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 8619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-8	P2-W8	Total/NA	Solid	300.0	8601
885-8018-9	P2-W9	Total/NA	Solid	300.0	8601
885-8018-10	P2-W10	Total/NA	Solid	300.0	8601
885-8018-11	P2-W11	Total/NA	Solid	300.0	8601
885-8018-12	P2-W12	Total/NA	Solid	300.0	8601
885-8018-13	P2-W13	Total/NA	Solid	300.0	8601
885-8018-14	P2-W14	Total/NA	Solid	300.0	8601
885-8018-15	P2-W15	Total/NA	Solid	300.0	8601
885-8018-16	P2-W16	Total/NA	Solid	300.0	8601
885-8018-17	P2-W17	Total/NA	Solid	300.0	8601
885-8018-18	P2-W18	Total/NA	Solid	300.0	8601
885-8018-19	P2-W19	Total/NA	Solid	300.0	8601
885-8018-20	P2-W20	Total/NA	Solid	300.0	8601
885-8018-21	P2-W21	Total/NA	Solid	300.0	8601
885-8018-22	P2-B8	Total/NA	Solid	300.0	8601
885-8018-23	P2-B9	Total/NA	Solid	300.0	8601
885-8018-24	P2-B10	Total/NA	Solid	300.0	8601
885-8018-25	P2-B11	Total/NA	Solid	300.0	8601
885-8018-26	P2-B12	Total/NA	Solid	300.0	8601
MB 885-8601/1-A	Method Blank	Total/NA	Solid	300.0	8601
LCS 885-8601/2-A	Lab Control Sample	Total/NA	Solid	300.0	8601

Analysis Batch: 8625

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-1	P2-W1	Total/NA	Solid	300.0	8592
885-8018-2	P2-W2	Total/NA	Solid	300.0	8592
885-8018-3	P2-W3	Total/NA	Solid	300.0	8592
885-8018-4	P2-W4	Total/NA	Solid	300.0	8592
885-8018-5	P2-W5	Total/NA	Solid	300.0	8592
885-8018-6	P2-W6	Total/NA	Solid	300.0	8592
885-8018-7	P2-W7	Total/NA	Solid	300.0	8592
MB 885-8592/1-A	Method Blank	Total/NA	Solid	300.0	8592

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

HPLC/IC (Continued)

Analysis Batch: 8625 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-8592/2-A	Lab Control Sample	Total/NA	Solid	300.0	8592

Prep Batch: 8628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-27	P2-B17	Total/NA	Solid	300_Prep	
885-8018-28	P2-B22	Total/NA	Solid	300_Prep	
885-8018-29	P2-B24	Total/NA	Solid	300_Prep	
885-8018-30	P2-B27	Total/NA	Solid	300_Prep	
885-8018-31	P2-B28	Total/NA	Solid	300_Prep	
885-8018-32	P2-B31	Total/NA	Solid	300_Prep	
885-8018-33	PS-17A	Total/NA	Solid	300_Prep	
MB 885-8628/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-8628/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-8018-27 MS	P2-B17	Total/NA	Solid	300_Prep	
885-8018-27 MSD	P2-B17	Total/NA	Solid	300_Prep	
885-8018-28 MS	P2-B22	Total/NA	Solid	300_Prep	
885-8018-28 MSD	P2-B22	Total/NA	Solid	300_Prep	

Analysis Batch: 8749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-8018-27	P2-B17	Total/NA	Solid	300.0	8628
885-8018-28	P2-B22	Total/NA	Solid	300.0	8628
885-8018-29	P2-B24	Total/NA	Solid	300.0	8628
885-8018-30	P2-B27	Total/NA	Solid	300.0	8628
885-8018-31	P2-B28	Total/NA	Solid	300.0	8628
885-8018-32	P2-B31	Total/NA	Solid	300.0	8628
885-8018-33	PS-17A	Total/NA	Solid	300.0	8628
MB 885-8628/1-A	Method Blank	Total/NA	Solid	300.0	8628
MB 885-8749/101	Method Blank	Total/NA	Solid	300.0	
LCS 885-8628/2-A	Lab Control Sample	Total/NA	Solid	300.0	8628
MRL 885-8749/100	Lab Control Sample	Total/NA	Solid	300.0	
885-8018-27 MS	P2-B17	Total/NA	Solid	300.0	8628
885-8018-27 MSD	P2-B17	Total/NA	Solid	300.0	8628
885-8018-28 MS	P2-B22	Total/NA	Solid	300.0	8628
885-8018-28 MSD	P2-B22	Total/NA	Solid	300.0	8628

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W1

Lab Sample ID: 885-8018-1

Date Collected: 07/12/24 09:20

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 03:27
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 04:12
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 11:21
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 02:11

Client Sample ID: P2-W2

Lab Sample ID: 885-8018-2

Date Collected: 07/12/24 09:24

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 03:49
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 04:34
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 11:32
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 02:23

Client Sample ID: P2-W3

Lab Sample ID: 885-8018-3

Date Collected: 07/12/24 09:26

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 04:11
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 05:17
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 11:43
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 02:36

Client Sample ID: P2-W4

Lab Sample ID: 885-8018-4

Date Collected: 07/12/24 09:30

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 04:32

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W4

Lab Sample ID: 885-8018-4

Date Collected: 07/12/24 09:30

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 05:39
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 11:54
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 02:48

Client Sample ID: P2-W5

Lab Sample ID: 885-8018-5

Date Collected: 07/12/24 09:34

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 04:54
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 06:01
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8986	DH	EET ALB	07/23/24 14:00
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 03:00

Client Sample ID: P2-W6

Lab Sample ID: 885-8018-6

Date Collected: 07/12/24 09:36

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 05:16
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 06:22
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 12:15
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 03:13

Client Sample ID: P2-W7

Lab Sample ID: 885-8018-7

Date Collected: 07/12/24 09:40

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 05:38
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 06:44

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W7

Lab Sample ID: 885-8018-7

Date Collected: 07/12/24 09:40

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 12:26
Total/NA	Prep	300_Prep			8592	RC	EET ALB	07/17/24 13:50
Total/NA	Analysis	300.0		20	8625	EH	EET ALB	07/18/24 03:25

Client Sample ID: P2-W8

Lab Sample ID: 885-8018-8

Date Collected: 07/12/24 09:44

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 05:59
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 07:06
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8986	DH	EET ALB	07/23/24 14:24
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/17/24 23:09

Client Sample ID: P2-W9

Lab Sample ID: 885-8018-9

Date Collected: 07/12/24 09:48

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 06:21
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 07:28
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 12:47
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/17/24 23:22

Client Sample ID: P2-W10

Lab Sample ID: 885-8018-10

Date Collected: 07/12/24 09:50

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 06:43
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 07:50
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8875	KR	EET ALB	07/22/24 12:58

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W10

Lab Sample ID: 885-8018-10

Date Collected: 07/12/24 09:50

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/17/24 23:34

Client Sample ID: P2-W11

Lab Sample ID: 885-8018-11

Date Collected: 07/12/24 09:52

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 07:05
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 08:11
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 04:14
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/17/24 23:46

Client Sample ID: P2-W12

Lab Sample ID: 885-8018-12

Date Collected: 07/12/24 09:54

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 07:26
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 08:33
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 04:38
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/17/24 23:59

Client Sample ID: P2-W13

Lab Sample ID: 885-8018-13

Date Collected: 07/12/24 10:00

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 07:48
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 09:39
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 05:02
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 00:11

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W14

Lab Sample ID: 885-8018-14

Date Collected: 07/12/24 10:02

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 08:10
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 10:01
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 05:27
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 00:48

Client Sample ID: P2-W15

Lab Sample ID: 885-8018-15

Date Collected: 07/12/24 10:04

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 08:32
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 10:22
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 05:51
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 01:00

Client Sample ID: P2-W16

Lab Sample ID: 885-8018-16

Date Collected: 07/12/24 10:06

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8015M/D		1	8769	AT	EET ALB	07/19/24 08:54
Total/NA	Prep	5030C			8499	JP	EET ALB	07/16/24 12:17
Total/NA	Analysis	8021B		1	8678	AT	EET ALB	07/18/24 10:44
Total/NA	Prep	SHAKE			8595	KR	EET ALB	07/17/24 14:29
Total/NA	Analysis	8015M/D		1	8878	DH	EET ALB	07/23/24 06:14
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 02:02

Client Sample ID: P2-W17

Lab Sample ID: 885-8018-17

Date Collected: 07/12/24 10:08

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 13:07

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W17

Lab Sample ID: 885-8018-17

Date Collected: 07/12/24 10:08

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 13:07
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 10:20
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 02:15

Client Sample ID: P2-W18

Lab Sample ID: 885-8018-18

Date Collected: 07/12/24 10:12

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 14:18
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 14:18
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8655	KR	EET ALB	07/18/24 12:38
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 02:27

Client Sample ID: P2-W19

Lab Sample ID: 885-8018-19

Date Collected: 07/12/24 10:20

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 15:30
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 15:30
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 11:14
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 02:39

Client Sample ID: P2-W20

Lab Sample ID: 885-8018-20

Date Collected: 07/12/24 10:24

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 15:53
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 15:53

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-W20

Lab Sample ID: 885-8018-20

Date Collected: 07/12/24 10:24

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 11:36
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 02:52

Client Sample ID: P2-W21

Lab Sample ID: 885-8018-21

Date Collected: 07/12/24 10:30

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 16:17
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 16:17
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 11:58
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 03:04

Client Sample ID: P2-B8

Lab Sample ID: 885-8018-22

Date Collected: 07/12/24 11:30

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 16:41
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 16:41
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 12:20
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 03:16

Client Sample ID: P2-B9

Lab Sample ID: 885-8018-23

Date Collected: 07/12/24 11:32

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 17:05
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 17:05
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 12:42

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B9

Lab Sample ID: 885-8018-23

Date Collected: 07/12/24 11:32

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 03:29

Client Sample ID: P2-B10

Lab Sample ID: 885-8018-24

Date Collected: 07/12/24 11:34

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 17:28
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 17:28
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 13:04
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 04:06

Client Sample ID: P2-B11

Lab Sample ID: 885-8018-25

Date Collected: 07/12/24 11:40

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 17:52
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 17:52
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 13:36
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 04:18

Client Sample ID: P2-B12

Lab Sample ID: 885-8018-26

Date Collected: 07/12/24 11:42

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 19:03
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 19:03
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 13:58
Total/NA	Prep	300_Prep			8601	RC	EET ALB	07/17/24 15:56
Total/NA	Analysis	300.0		20	8619	RC	EET ALB	07/18/24 04:31

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B17

Lab Sample ID: 885-8018-27

Date Collected: 07/12/24 11:44

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 19:27
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 19:27
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 14:20
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 09:49

Client Sample ID: P2-B22

Lab Sample ID: 885-8018-28

Date Collected: 07/12/24 11:46

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 19:50
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 19:50
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 14:42
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 10:26

Client Sample ID: P2-B24

Lab Sample ID: 885-8018-29

Date Collected: 07/12/24 11:50

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 20:14
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 20:14
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 15:04
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 11:30

Client Sample ID: P2-B27

Lab Sample ID: 885-8018-30

Date Collected: 07/12/24 11:52

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 20:37

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: P2-B27

Lab Sample ID: 885-8018-30

Date Collected: 07/12/24 11:52

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 20:37
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 15:26
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 11:43

Client Sample ID: P2-B28

Lab Sample ID: 885-8018-31

Date Collected: 07/12/24 11:54

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 21:01
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 21:01
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 15:48
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 11:55

Client Sample ID: P2-B31

Lab Sample ID: 885-8018-32

Date Collected: 07/12/24 11:56

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 21:25
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 21:25
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 16:10
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 12:07

Client Sample ID: PS-17A

Lab Sample ID: 885-8018-33

Date Collected: 07/12/24 12:00

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8015M/D		1	8761	JP	EET ALB	07/18/24 21:48
Total/NA	Prep	5030C			8549	JP	EET ALB	07/17/24 09:20
Total/NA	Analysis	8021B		1	8763	JP	EET ALB	07/18/24 21:48

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-8018-1

Client Sample ID: PS-17A

Lab Sample ID: 885-8018-33

Date Collected: 07/12/24 12:00

Matrix: Solid

Date Received: 07/16/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			8606	DH	EET ALB	07/17/24 16:31
Total/NA	Analysis	8015M/D		1	8751	DH	EET ALB	07/19/24 16:32
Total/NA	Prep	300_Prep			8628	RC	EET ALB	07/18/24 08:22
Total/NA	Analysis	300.0		20	8749	JT	EET ALB	07/18/24 12:20

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-8018-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT

Project Name:
Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.8-0.2-1.8

Container Type and #
 1x4oz Jar

Preservative Type
 ICE

HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
7/12/24	1000	SOIL	P2-w13	1x4oz Jar	ICE	13
	1002		P2-w14			14
	1004		P2-w15			15
	1006		P2-w16			16
	1008		P2-w17			17
	1012		P2-w18			18
	1020		P2-w19			19
	1024		P2-w20			20
	1030		P2-w21			21
	1130		P2-B8			22
	1132		P2-B9			23
	1134		P2-B10			24

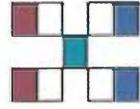
Received by: [Signature] Date: 7/15/24 Time: 1005

Received by: [Signature] Date: 7/16/24 Time: 7:35

Remarks: Bill to EOG Artesia

Analysis Request

BTEX (8021) X
 TPH:8015D(GRO / DRO / MRO) X
 Chloride (EPA 300) X



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-8018-1

Login Number: 8018

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

- 1
- 2
- 3
- 4
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- 7
- 8
- 9
- 10
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 8/23/2024 3:12:52 PM Revision 1

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-9209-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
8/23/2024 3:12:52 PM
Revision 1

Authorized for release by
Jackie Bolte, Project Manager
jackie.bolte@et.eurofinsus.com
Designee for
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-9209-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-9209-1

Job ID: 885-9209-1

Eurofins Albuquerque

Job Narrative 885-9209-1

REVISION

The report being provided is a revision of the original report sent on 8/14/2024. The report (revision 1) is being revised due to Updating sample ID's..

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/6/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 0.2°C and 0.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: Surrogate recovery for the following samples were outside the upper control limit: P2-B47 (885-9209-29), P2-B52 (885-9209-30), P2-B6 (885-9209-31), P2-B5 (885-9209-32), PS-41 (885-9209-33) and PS-42 (885-9209-34). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8015D_DRO: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-9899 and analytical batch 885-9998 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-10018 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Low surrogate recovery potentially caused by high chloride content in samples that were ran prior.

Method 8015D_DRO: Surrogate recovery for the following samples is outside the lower control limit: P2-W28 (885-9209-19), P2-W29 (885-9209-20), (885-9209-A-20-C MS) and (885-9209-A-20-D MSD). Low surrogate recovery potentially caused by high chloride content in samples. Reporting samples as is with narration due to chloride results and instrument damage.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B42

Lab Sample ID: 885-9209-1

Date Collected: 08/02/24 09:00

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 11:08	08/11/24 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			08/06/24 11:08	08/11/24 01:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 01:42	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 01:42	1
Toluene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 01:42	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 11:08	08/11/24 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/06/24 11:08	08/11/24 01:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 14:12	08/08/24 12:27	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 14:12	08/08/24 12:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	100		62 - 134			08/07/24 14:12	08/08/24 12:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		08/08/24 07:48	08/08/24 12:58	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B41

Lab Sample ID: 885-9209-2

Date Collected: 08/02/24 09:04

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 02:52	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 02:52	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 02:52	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 02:52	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 11:08	08/11/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 11:08	08/11/24 02:52	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/07/24 14:12	08/08/24 12:38	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 14:12	08/08/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	98		62 - 134			08/07/24 14:12	08/08/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970		60	mg/Kg		08/08/24 07:48	08/08/24 13:11	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B1

Lab Sample ID: 885-9209-3

Date Collected: 08/02/24 09:10

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 04:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 11:08	08/11/24 04:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 04:02	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 04:02	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 04:02	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 11:08	08/11/24 04:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/06/24 11:08	08/11/24 04:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		08/07/24 14:12	08/08/24 12:48	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		08/07/24 14:12	08/08/24 12:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	97		62 - 134			08/07/24 14:12	08/08/24 12:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		08/08/24 07:48	08/08/24 13:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B14

Lab Sample ID: 885-9209-4

Date Collected: 08/02/24 09:12

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 11:08	08/11/24 04:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 04:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 04:26	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 04:26	1
Toluene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 04:26	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 11:08	08/11/24 04:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 11:08	08/11/24 04:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/07/24 14:12	08/08/24 12:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 12:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			08/07/24 14:12	08/08/24 12:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	990		60	mg/Kg		08/08/24 07:48	08/08/24 13:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B50

Lab Sample ID: 885-9209-5

Date Collected: 08/02/24 09:14

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 11:08	08/11/24 04:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 11:08	08/11/24 04:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 04:49	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 04:49	1
Toluene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 04:49	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 11:08	08/11/24 04:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/06/24 11:08	08/11/24 04:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		08/07/24 14:12	08/08/24 13:10	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/07/24 14:12	08/08/24 13:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	100		62 - 134			08/07/24 14:12	08/08/24 13:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/08/24 07:48	08/08/24 13:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B51

Lab Sample ID: 885-9209-6

Date Collected: 08/02/24 09:20

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 05:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 05:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 05:12	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 05:12	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 05:12	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 11:08	08/11/24 05:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 11:08	08/11/24 05:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/07/24 14:12	08/08/24 13:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 14:12	08/08/24 13:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			08/07/24 14:12	08/08/24 13:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		60	mg/Kg		08/08/24 07:48	08/08/24 14:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B30

Lab Sample ID: 885-9209-7

Date Collected: 08/02/24 09:26

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 11:08	08/11/24 05:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 11:08	08/11/24 05:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 05:36	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 05:36	1
Toluene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 05:36	1
Xylenes, Total	ND		0.094	mg/Kg		08/06/24 11:08	08/11/24 05:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 05:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 14:12	08/08/24 13:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 13:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			08/07/24 14:12	08/08/24 13:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/08/24 07:48	08/08/24 14:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B38

Lab Sample ID: 885-9209-8

Date Collected: 08/02/24 09:40

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 11:08	08/11/24 05:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 05:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 05:59	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 05:59	1
Toluene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 05:59	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 11:08	08/11/24 05:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 05:59	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 14:12	08/08/24 13:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 13:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	100		62 - 134			08/07/24 14:12	08/08/24 13:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480		60	mg/Kg		08/08/24 07:48	08/08/24 15:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B34

Lab Sample ID: 885-9209-9

Date Collected: 08/02/24 09:48

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 11:08	08/11/24 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 06:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 06:23	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 06:23	1
Toluene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 06:23	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 11:08	08/11/24 06:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 06:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 14:12	08/08/24 13:53	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 14:12	08/08/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			08/07/24 14:12	08/08/24 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		08/08/24 07:48	08/08/24 15:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B36

Lab Sample ID: 885-9209-10

Date Collected: 08/02/24 09:50

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 11:08	08/11/24 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 06:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 06:46	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 06:46	1
Toluene	ND		0.048	mg/Kg		08/06/24 11:08	08/11/24 06:46	1
Xylenes, Total	ND		0.095	mg/Kg		08/06/24 11:08	08/11/24 06:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 11:08	08/11/24 06:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/07/24 14:12	08/08/24 14:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			08/07/24 14:12	08/08/24 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		08/08/24 07:48	08/08/24 15:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B26

Lab Sample ID: 885-9209-11

Date Collected: 08/02/24 09:54

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 11:08	08/11/24 07:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 07:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/06/24 11:08	08/11/24 07:33	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 07:33	1
Toluene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 07:33	1
Xylenes, Total	ND		0.093	mg/Kg		08/06/24 11:08	08/11/24 07:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 11:08	08/11/24 07:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.4	mg/Kg		08/07/24 14:12	08/08/24 14:39	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		08/07/24 14:12	08/08/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/07/24 14:12	08/08/24 14:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		60	mg/Kg		08/08/24 07:48	08/08/24 15:58	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B19

Lab Sample ID: 885-9209-12

Date Collected: 08/02/24 09:56

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 07:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 07:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 07:56	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 07:56	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 07:56	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 11:08	08/11/24 07:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 11:08	08/11/24 07:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/07/24 14:12	08/08/24 15:01	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 14:12	08/08/24 15:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/07/24 14:12	08/08/24 15:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		08/08/24 07:48	08/08/24 16:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W22

Lab Sample ID: 885-9209-13

Date Collected: 08/02/24 10:20

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/06/24 11:08	08/11/24 08:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 08:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/06/24 11:08	08/11/24 08:20	1
Ethylbenzene	ND		0.046	mg/Kg		08/06/24 11:08	08/11/24 08:20	1
Toluene	ND		0.046	mg/Kg		08/06/24 11:08	08/11/24 08:20	1
Xylenes, Total	ND		0.093	mg/Kg		08/06/24 11:08	08/11/24 08:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 11:08	08/11/24 08:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		08/07/24 14:12	08/08/24 15:12	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/07/24 14:12	08/08/24 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			08/07/24 14:12	08/08/24 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480		60	mg/Kg		08/08/24 07:48	08/08/24 16:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W23

Lab Sample ID: 885-9209-14

Date Collected: 08/02/24 10:22

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 11:08	08/11/24 08:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 08:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 08:44	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 08:44	1
Toluene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 08:44	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 11:08	08/11/24 08:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 08:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 14:12	08/08/24 15:23	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 14:12	08/08/24 15:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	70		62 - 134			08/07/24 14:12	08/08/24 15:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	530		60	mg/Kg		08/08/24 07:48	08/08/24 16:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W24

Lab Sample ID: 885-9209-15

Date Collected: 08/02/24 10:24

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/06/24 11:08	08/11/24 09:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 09:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/06/24 11:08	08/11/24 09:07	1
Ethylbenzene	ND		0.046	mg/Kg		08/06/24 11:08	08/11/24 09:07	1
Toluene	ND		0.046	mg/Kg		08/06/24 11:08	08/11/24 09:07	1
Xylenes, Total	ND		0.092	mg/Kg		08/06/24 11:08	08/11/24 09:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 11:08	08/11/24 09:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/07/24 14:12	08/08/24 15:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 14:12	08/08/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	81		62 - 134			08/07/24 14:12	08/08/24 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		60	mg/Kg		08/08/24 07:48	08/08/24 16:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W25

Lab Sample ID: 885-9209-16

Date Collected: 08/02/24 10:30

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 11:08	08/11/24 09:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 09:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/06/24 11:08	08/11/24 09:31	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 09:31	1
Toluene	ND		0.047	mg/Kg		08/06/24 11:08	08/11/24 09:31	1
Xylenes, Total	ND		0.093	mg/Kg		08/06/24 11:08	08/11/24 09:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 09:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 14:12	08/08/24 15:45	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 14:12	08/08/24 15:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	75		62 - 134			08/07/24 14:12	08/08/24 15:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		60	mg/Kg		08/08/24 07:48	08/08/24 17:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W26

Lab Sample ID: 885-9209-17

Date Collected: 08/02/24 10:32

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 09:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 11:08	08/11/24 09:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 09:54	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 09:54	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 09:54	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 11:08	08/11/24 09:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 09:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/07/24 14:12	08/08/24 15:56	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 15:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			08/07/24 14:12	08/08/24 15:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		60	mg/Kg		08/08/24 07:48	08/08/24 17:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W27

Lab Sample ID: 885-9209-18

Date Collected: 08/02/24 10:34

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 10:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 10:17	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 10:17	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 10:17	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 11:08	08/11/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 11:08	08/11/24 10:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/07/24 14:12	08/08/24 16:07	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 14:12	08/08/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			08/07/24 14:12	08/08/24 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		60	mg/Kg		08/08/24 07:48	08/08/24 17:54	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W28

Lab Sample ID: 885-9209-19

Date Collected: 08/02/24 10:40

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 11:08	08/11/24 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 11:08	08/11/24 10:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 10:41	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 10:41	1
Toluene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 10:41	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 11:08	08/11/24 10:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 11:08	08/11/24 10:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 14:12	08/08/24 16:18	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 14:12	08/08/24 16:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	48	S1-	62 - 134			08/07/24 14:12	08/08/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		61	mg/Kg		08/08/24 07:48	08/08/24 18:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W29

Lab Sample ID: 885-9209-20

Date Collected: 08/02/24 10:44

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 11:08	08/11/24 11:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 11:08	08/11/24 11:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 11:08	08/11/24 11:05	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 11:05	1
Toluene	ND		0.049	mg/Kg		08/06/24 11:08	08/11/24 11:05	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 11:08	08/11/24 11:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/06/24 11:08	08/11/24 11:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/07/24 14:12	08/08/24 16:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 14:12	08/08/24 16:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	51	S1-	62 - 134			08/07/24 14:12	08/08/24 16:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		08/08/24 08:15	08/08/24 19:11	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W30

Lab Sample ID: 885-9209-21

Date Collected: 08/02/24 10:46

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 13:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 13:25	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 13:25	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 13:25	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 12:31	08/11/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 13:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 15:58	08/08/24 21:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/08/24 21:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/07/24 15:58	08/08/24 21:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		60	mg/Kg		08/08/24 08:15	08/08/24 19:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B18

Lab Sample ID: 885-9209-22

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 14:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 14:36	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 14:36	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 14:36	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 12:31	08/11/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 14:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/07/24 15:58	08/08/24 21:49	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/08/24 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			08/07/24 15:58	08/08/24 21:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		61	mg/Kg		08/08/24 08:15	08/08/24 20:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B16

Lab Sample ID: 885-9209-23

Date Collected: 08/02/24 11:10

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 12:31	08/11/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/06/24 12:31	08/11/24 15:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 15:46	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 15:46	1
Toluene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 15:46	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 12:31	08/11/24 15:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/06/24 12:31	08/11/24 15:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/07/24 15:58	08/08/24 22:03	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 15:58	08/08/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			08/07/24 15:58	08/08/24 22:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		08/08/24 08:15	08/08/24 21:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B53

Lab Sample ID: 885-9209-24

Date Collected: 08/02/24 11:12

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/06/24 12:31	08/11/24 16:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 16:10	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 16:10	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 16:10	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 12:31	08/11/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			08/06/24 12:31	08/11/24 16:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 15:58	08/08/24 22:16	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 15:58	08/08/24 22:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			08/07/24 15:58	08/08/24 22:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/08/24 08:15	08/08/24 21:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B54

Lab Sample ID: 885-9209-25

Date Collected: 08/02/24 11:14

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 12:31	08/11/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			08/06/24 12:31	08/11/24 16:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 16:33	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 16:33	1
Toluene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 16:33	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 12:31	08/11/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 16:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/07/24 15:58	08/08/24 22:30	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/08/24 22:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			08/07/24 15:58	08/08/24 22:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		60	mg/Kg		08/08/24 08:15	08/08/24 21:33	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B55

Lab Sample ID: 885-9209-26

Date Collected: 08/02/24 11:18

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 12:31	08/11/24 16:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 16:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 16:57	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 16:57	1
Toluene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 16:57	1
Xylenes, Total	ND		0.094	mg/Kg		08/06/24 12:31	08/11/24 16:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 12:31	08/11/24 16:57	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/07/24 15:58	08/08/24 22:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 15:58	08/08/24 22:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	109		62 - 134			08/07/24 15:58	08/08/24 22:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		60	mg/Kg		08/08/24 08:15	08/08/24 21:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B15

Lab Sample ID: 885-9209-27

Date Collected: 08/02/24 11:20

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 12:31	08/11/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 17:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 17:20	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 17:20	1
Toluene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 17:20	1
Xylenes, Total	ND		0.094	mg/Kg		08/06/24 12:31	08/11/24 17:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 17:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 15:58	08/08/24 22:57	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/08/24 22:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			08/07/24 15:58	08/08/24 22:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		08/08/24 08:15	08/08/24 21:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B43

Lab Sample ID: 885-9209-28

Date Collected: 08/02/24 11:24

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 17:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 17:44	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 17:44	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 17:44	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 12:31	08/11/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 12:31	08/11/24 17:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 15:58	08/08/24 23:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 15:58	08/08/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	126		62 - 134			08/07/24 15:58	08/08/24 23:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		08/08/24 08:15	08/08/24 22:37	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B47

Lab Sample ID: 885-9209-29

Date Collected: 08/02/24 11:26

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 12:31	08/11/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 18:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/06/24 12:31	08/11/24 18:07	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 18:07	1
Toluene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 18:07	1
Xylenes, Total	ND		0.094	mg/Kg		08/06/24 12:31	08/11/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			08/06/24 12:31	08/11/24 18:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		08/07/24 15:58	08/08/24 23:25	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/07/24 15:58	08/08/24 23:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	214	S1+	62 - 134			08/07/24 15:58	08/08/24 23:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		08/08/24 08:15	08/08/24 22:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B52

Lab Sample ID: 885-9209-30

Date Collected: 08/02/24 11:30

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 12:31	08/11/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 18:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 18:31	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 18:31	1
Toluene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 18:31	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 12:31	08/11/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 18:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 15:58	08/08/24 23:39	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/08/24 23:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	292	S1+	62 - 134			08/07/24 15:58	08/08/24 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		08/08/24 08:15	08/08/24 23:03	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B6

Lab Sample ID: 885-9209-31

Date Collected: 08/02/24 11:36

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 12:31	08/11/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			08/06/24 12:31	08/11/24 19:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 19:18	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 19:18	1
Toluene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 19:18	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 12:31	08/11/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/06/24 12:31	08/11/24 19:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 15:58	08/08/24 23:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 15:58	08/08/24 23:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	280	S1+	62 - 134			08/07/24 15:58	08/08/24 23:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		60	mg/Kg		08/08/24 08:15	08/08/24 23:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B5

Lab Sample ID: 885-9209-32

Date Collected: 08/02/24 11:40

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 12:31	08/11/24 19:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 19:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 19:41	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 19:41	1
Toluene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 19:41	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 12:31	08/11/24 19:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 19:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/07/24 15:58	08/09/24 00:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/07/24 15:58	08/09/24 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	257	S1+	62 - 134			08/07/24 15:58	08/09/24 00:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		08/08/24 08:15	08/08/24 23:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-41

Lab Sample ID: 885-9209-33

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 20:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 20:04	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 20:04	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 20:04	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 12:31	08/11/24 20:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 20:04	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/07/24 15:58	08/09/24 00:34	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/09/24 00:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	188	S1+	62 - 134			08/07/24 15:58	08/09/24 00:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	850		60	mg/Kg		08/08/24 08:15	08/08/24 23:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-42

Lab Sample ID: 885-9209-34

Date Collected: 08/02/24 13:12

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/06/24 12:31	08/11/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			08/06/24 12:31	08/11/24 20:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 20:28	1
Ethylbenzene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 20:28	1
Toluene	ND		0.047	mg/Kg		08/06/24 12:31	08/11/24 20:28	1
Xylenes, Total	ND		0.094	mg/Kg		08/06/24 12:31	08/11/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/06/24 12:31	08/11/24 20:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/07/24 15:58	08/09/24 00:47	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/09/24 00:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	157	S1+	62 - 134			08/07/24 15:58	08/09/24 00:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		08/08/24 08:15	08/08/24 23:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-43

Lab Sample ID: 885-9209-35

Date Collected: 08/02/24 13:16

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 12:31	08/11/24 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 12:31	08/11/24 20:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 20:51	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 20:51	1
Toluene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 20:51	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 12:31	08/11/24 20:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 20:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/07/24 15:58	08/09/24 01:01	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/09/24 01:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			08/07/24 15:58	08/09/24 01:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		60	mg/Kg		08/08/24 08:15	08/09/24 00:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-44

Lab Sample ID: 885-9209-36

Date Collected: 08/02/24 13:20

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 12:31	08/11/24 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 21:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 21:15	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 21:15	1
Toluene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 21:15	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 12:31	08/11/24 21:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 21:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/07/24 15:58	08/09/24 19:12	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/09/24 19:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			08/07/24 15:58	08/09/24 19:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		60	mg/Kg		08/08/24 08:15	08/09/24 00:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-45

Lab Sample ID: 885-9209-37

Date Collected: 08/02/24 14:00

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 21:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 21:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 21:38	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 21:38	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 21:38	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 12:31	08/11/24 21:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 21:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/12/24 09:07	08/12/24 15:34	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/12/24 09:07	08/12/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/12/24 09:07	08/12/24 15:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		60	mg/Kg		08/08/24 08:15	08/09/24 00:33	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-46

Lab Sample ID: 885-9209-38

Date Collected: 08/02/24 14:02

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 12:31	08/11/24 22:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 22:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 12:31	08/11/24 22:01	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 22:01	1
Toluene	ND		0.048	mg/Kg		08/06/24 12:31	08/11/24 22:01	1
Xylenes, Total	ND		0.096	mg/Kg		08/06/24 12:31	08/11/24 22:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			08/06/24 12:31	08/11/24 22:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/07/24 15:58	08/09/24 13:11	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/09/24 13:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			08/07/24 15:58	08/09/24 13:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		60	mg/Kg		08/08/24 08:15	08/09/24 12:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-47

Lab Sample ID: 885-9209-39

Date Collected: 08/02/24 14:06

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 22:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 12:31	08/11/24 22:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 22:25	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 22:25	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 22:25	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 12:31	08/11/24 22:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			08/06/24 12:31	08/11/24 22:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/07/24 15:58	08/09/24 13:24	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/07/24 15:58	08/09/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			08/07/24 15:58	08/09/24 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		08/08/24 08:15	08/09/24 12:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-48

Lab Sample ID: 885-9209-40

Date Collected: 08/02/24 14:08

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 12:31	08/11/24 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			08/06/24 12:31	08/11/24 22:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 22:48	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 22:48	1
Toluene	ND		0.049	mg/Kg		08/06/24 12:31	08/11/24 22:48	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 12:31	08/11/24 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			08/06/24 12:31	08/11/24 22:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F2	9.8	mg/Kg		08/07/24 15:58	08/09/24 13:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/07/24 15:58	08/09/24 13:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			08/07/24 15:58	08/09/24 13:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	660		60	mg/Kg		08/08/24 16:34	08/09/24 16:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-49

Lab Sample ID: 885-9209-41

Date Collected: 08/02/24 14:10

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 13:48	08/12/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/06/24 13:48	08/12/24 12:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 12:25	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 12:25	1
Toluene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 12:25	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 13:48	08/12/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			08/06/24 13:48	08/12/24 12:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		08/08/24 10:20	08/08/24 16:51	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		08/08/24 10:20	08/08/24 16:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			08/08/24 10:20	08/08/24 16:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/08/24 16:34	08/09/24 16:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-50

Lab Sample ID: 885-9209-42

Date Collected: 08/02/24 14:20

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 13:48	08/12/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 13:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 13:36	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 13:36	1
Toluene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 13:36	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 13:48	08/12/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			08/06/24 13:48	08/12/24 13:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/08/24 10:20	08/08/24 17:04	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/08/24 10:20	08/08/24 17:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			08/08/24 10:20	08/08/24 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	630		60	mg/Kg		08/08/24 16:34	08/09/24 17:09	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-51

Lab Sample ID: 885-9209-43

Date Collected: 08/02/24 14:24

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 13:48	08/12/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			08/06/24 13:48	08/12/24 14:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 14:47	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 13:48	08/12/24 14:47	1
Toluene	ND		0.049	mg/Kg		08/06/24 13:48	08/12/24 14:47	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 13:48	08/12/24 14:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			08/06/24 13:48	08/12/24 14:47	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/08/24 10:20	08/08/24 17:16	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/24 10:20	08/08/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	96		62 - 134			08/08/24 10:20	08/08/24 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		08/08/24 16:34	08/09/24 17:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-52

Lab Sample ID: 885-9209-44

Date Collected: 08/02/24 14:30

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 13:48	08/12/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			08/06/24 13:48	08/12/24 15:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 13:48	08/12/24 15:11	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 15:11	1
Toluene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 15:11	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 13:48	08/12/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			08/06/24 13:48	08/12/24 15:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/24 10:20	08/08/24 17:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/24 10:20	08/08/24 17:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	82		62 - 134			08/08/24 10:20	08/08/24 17:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		59	mg/Kg		08/09/24 09:54	08/09/24 13:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-53

Lab Sample ID: 885-9209-45

Date Collected: 08/02/24 14:32

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 13:48	08/12/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 15:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 15:34	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 15:34	1
Toluene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 15:34	1
Xylenes, Total	ND		0.099	mg/Kg		08/06/24 13:48	08/12/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			08/06/24 13:48	08/12/24 15:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		08/08/24 10:20	08/08/24 17:42	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/08/24 10:20	08/08/24 17:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			08/08/24 10:20	08/08/24 17:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		08/09/24 09:54	08/09/24 14:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B25

Lab Sample ID: 885-9209-46

Date Collected: 08/02/24 10:02

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 13:48	08/12/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 15:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 15:58	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 15:58	1
Toluene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 15:58	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 13:48	08/12/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			08/06/24 13:48	08/12/24 15:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/24 10:20	08/08/24 17:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/24 10:20	08/08/24 17:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	75		62 - 134			08/08/24 10:20	08/08/24 17:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		60	mg/Kg		08/09/24 09:54	08/09/24 14:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B33

Lab Sample ID: 885-9209-47

Date Collected: 08/02/24 10:08

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 13:48	08/12/24 16:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			08/06/24 13:48	08/12/24 16:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 13:48	08/12/24 16:22	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 16:22	1
Toluene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 16:22	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 13:48	08/12/24 16:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			08/06/24 13:48	08/12/24 16:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/24 10:20	08/08/24 18:08	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/08/24 10:20	08/08/24 18:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			08/08/24 10:20	08/08/24 18:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		08/09/24 09:54	08/09/24 14:43	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B21

Lab Sample ID: 885-9209-48

Date Collected: 08/02/24 10:10

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/06/24 13:48	08/12/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 16:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 16:46	1
Ethylbenzene	ND		0.049	mg/Kg		08/06/24 13:48	08/12/24 16:46	1
Toluene	ND		0.049	mg/Kg		08/06/24 13:48	08/12/24 16:46	1
Xylenes, Total	ND		0.098	mg/Kg		08/06/24 13:48	08/12/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			08/06/24 13:48	08/12/24 16:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/08/24 10:20	08/08/24 18:36	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/08/24 10:20	08/08/24 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	73		62 - 134			08/08/24 10:20	08/08/24 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		60	mg/Kg		08/09/24 09:54	08/09/24 15:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B7

Lab Sample ID: 885-9209-49

Date Collected: 08/02/24 10:12

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 13:48	08/12/24 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 17:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 13:48	08/12/24 17:10	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 17:10	1
Toluene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 17:10	1
Xylenes, Total	ND		0.097	mg/Kg		08/06/24 13:48	08/12/24 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			08/06/24 13:48	08/12/24 17:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/08/24 10:20	08/08/24 18:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/24 10:20	08/08/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/08/24 10:20	08/08/24 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		08/09/24 09:54	08/09/24 15:32	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-17A

Lab Sample ID: 885-9209-50

Date Collected: 08/02/24 14:34

Matrix: Solid

Date Received: 08/06/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/06/24 13:48	08/12/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/06/24 13:48	08/12/24 17:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/06/24 13:48	08/12/24 17:33	1
Ethylbenzene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 17:33	1
Toluene	ND		0.048	mg/Kg		08/06/24 13:48	08/12/24 17:33	1
Xylenes, Total	ND		0.095	mg/Kg		08/06/24 13:48	08/12/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			08/06/24 13:48	08/12/24 17:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/08/24 10:20	08/08/24 19:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/08/24 10:20	08/08/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			08/08/24 10:20	08/08/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		08/09/24 09:54	08/09/24 16:09	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-9803/1-A
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 11:08	08/11/24 01:18	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/06/24 11:08	08/11/24 01:18	1

Lab Sample ID: LCS 885-9803/2-A
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.0		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	206		35 - 166				

Lab Sample ID: 885-9209-1 MS
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: P2-B42
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		23.8	21.8		mg/Kg		92	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	203		35 - 166						

Lab Sample ID: 885-9209-1 MSD
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: P2-B42
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.1	21.9		mg/Kg		91	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	202		35 - 166								

Lab Sample ID: MB 885-9809/1-A
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 12:31	08/11/24 13:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-9809/1-A
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9809

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166	08/06/24 12:31	08/11/24 13:02	1

Lab Sample ID: LCS 885-9809/2-A
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.1		mg/Kg		92	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	210		35 - 166

Lab Sample ID: 885-9209-21 MS
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: P2-W30
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	24.5		mg/Kg		98	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	213		35 - 166

Lab Sample ID: 885-9209-21 MSD
 Matrix: Solid
 Analysis Batch: 10071

Client Sample ID: P2-W30
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	23.6		mg/Kg		94	70 - 130	4	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	210		35 - 166

Lab Sample ID: MB 885-9812/1-A
 Matrix: Solid
 Analysis Batch: 10169

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9812

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/06/24 13:48	08/12/24 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166	08/06/24 13:48	08/12/24 12:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-9812/2-A
Matrix: Solid
Analysis Batch: 10169

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.9		mg/Kg		100	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	205		35 - 166				

Lab Sample ID: 885-9209-41 MS
Matrix: Solid
Analysis Batch: 10169

Client Sample ID: PS-49
Prep Type: Total/NA
Prep Batch: 9812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	25.2		mg/Kg		101	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	211		35 - 166						

Lab Sample ID: 885-9209-41 MSD
Matrix: Solid
Analysis Batch: 10169

Client Sample ID: PS-49
Prep Type: Total/NA
Prep Batch: 9812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	26.2		mg/Kg		105	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	217		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-9803/1-A
Matrix: Solid
Analysis Batch: 10072

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9803

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 11:08	08/11/24 01:18	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 01:18	1
Toluene	ND		0.050	mg/Kg		08/06/24 11:08	08/11/24 01:18	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 11:08	08/11/24 01:18	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	91		48 - 145	08/06/24 11:08	08/11/24 01:18	1		

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-9803/3-A
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.924		mg/Kg		92	70 - 130
Ethylbenzene	1.00	0.847		mg/Kg		85	70 - 130
Toluene	1.00	0.870		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	2.00	1.70		mg/Kg		85	70 - 130
o-Xylene	1.00	0.818		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		48 - 145

Lab Sample ID: 885-9209-2 MS
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: P2-B41
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.970	0.845		mg/Kg		87	70 - 130
Ethylbenzene	ND		0.970	0.783		mg/Kg		81	70 - 130
Toluene	ND		0.970	0.803		mg/Kg		81	70 - 130
m-Xylene & p-Xylene	ND		1.94	1.57		mg/Kg		81	70 - 130
o-Xylene	ND		0.970	0.751		mg/Kg		77	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		48 - 145

Lab Sample ID: 885-9209-2 MSD
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: P2-B41
 Prep Type: Total/NA
 Prep Batch: 9803

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.978	0.858		mg/Kg		88	70 - 130	1	20
Ethylbenzene	ND		0.978	0.791		mg/Kg		81	70 - 130	1	20
Toluene	ND		0.978	0.810		mg/Kg		81	70 - 130	1	20
m-Xylene & p-Xylene	ND		1.96	1.58		mg/Kg		81	70 - 130	1	20
o-Xylene	ND		0.978	0.756		mg/Kg		77	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	90		48 - 145

Lab Sample ID: MB 885-9809/1-A
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 12:31	08/11/24 13:02	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 13:02	1
Toluene	ND		0.050	mg/Kg		08/06/24 12:31	08/11/24 13:02	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 12:31	08/11/24 13:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-9809/1-A
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9809

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145	08/06/24 12:31	08/11/24 13:02	1

Lab Sample ID: LCS 885-9809/3-A
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.903		mg/Kg		90	70 - 130	
Ethylbenzene	1.00	0.838		mg/Kg		84	70 - 130	
Toluene	1.00	0.849		mg/Kg		85	70 - 130	
m-Xylene & p-Xylene	2.00	1.67		mg/Kg		84	70 - 130	
o-Xylene	1.00	0.803		mg/Kg		80	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: 885-9209-22 MS
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: P2-B18
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.999	0.882		mg/Kg		88	70 - 130	
Ethylbenzene	ND		0.999	0.804		mg/Kg		80	70 - 130	
Toluene	ND		0.999	0.823		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	ND		2.00	1.61		mg/Kg		81	70 - 130	
o-Xylene	ND		0.999	0.776		mg/Kg		78	70 - 130	

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		48 - 145

Lab Sample ID: 885-9209-22 MSD
 Matrix: Solid
 Analysis Batch: 10072

Client Sample ID: P2-B18
 Prep Type: Total/NA
 Prep Batch: 9809

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD Limit	
											RPD	Limit
Benzene	ND		0.997	0.876		mg/Kg		88	70 - 130	1	20	
Ethylbenzene	ND		0.997	0.813		mg/Kg		82	70 - 130	1	20	
Toluene	ND		0.997	0.835		mg/Kg		82	70 - 130	1	20	
m-Xylene & p-Xylene	ND		1.99	1.64		mg/Kg		82	70 - 130	2	20	
o-Xylene	ND		0.997	0.788		mg/Kg		79	70 - 130	2	20	

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-9812/1-A
 Matrix: Solid
 Analysis Batch: 10171

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9812

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/06/24 13:48	08/12/24 12:02	1
Ethylbenzene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 12:02	1
Toluene	ND		0.050	mg/Kg		08/06/24 13:48	08/12/24 12:02	1
Xylenes, Total	ND		0.10	mg/Kg		08/06/24 13:48	08/12/24 12:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145	08/06/24 13:48	08/12/24 12:02	1

Lab Sample ID: LCS 885-9812/3-A
 Matrix: Solid
 Analysis Batch: 10171

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9812

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.930		mg/Kg		93	70 - 130
Ethylbenzene	1.00	0.853		mg/Kg		85	70 - 130
Toluene	1.00	0.874		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	2.00	1.72		mg/Kg		86	70 - 130
o-Xylene	1.00	0.821		mg/Kg		82	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: 885-9209-42 MS
 Matrix: Solid
 Analysis Batch: 10171

Client Sample ID: PS-50
 Prep Type: Total/NA
 Prep Batch: 9812

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.991	0.855		mg/Kg		86	70 - 130
Ethylbenzene	ND		0.991	0.802		mg/Kg		81	70 - 130
Toluene	ND		0.991	0.820		mg/Kg		83	70 - 130
m-Xylene & p-Xylene	ND		1.98	1.62		mg/Kg		82	70 - 130
o-Xylene	ND		0.991	0.778		mg/Kg		79	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		48 - 145

Lab Sample ID: 885-9209-42 MSD
 Matrix: Solid
 Analysis Batch: 10171

Client Sample ID: PS-50
 Prep Type: Total/NA
 Prep Batch: 9812

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.997	0.881		mg/Kg		88	70 - 130	3	20
Ethylbenzene	ND		0.997	0.819		mg/Kg		82	70 - 130	2	20
Toluene	ND		0.997	0.822		mg/Kg		82	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.99	1.64		mg/Kg		82	70 - 130	1	20
o-Xylene	ND		0.997	0.796		mg/Kg		80	70 - 130	2	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-9209-42 MSD
 Matrix: Solid
 Analysis Batch: 10171

Client Sample ID: PS-50
 Prep Type: Total/NA
 Prep Batch: 9812

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-10053/1-A
 Matrix: Solid
 Analysis Batch: 10076

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10053

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/12/24 09:07	08/12/24 15:08	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/12/24 09:07	08/12/24 15:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134	08/12/24 09:07	08/12/24 15:08	1

Lab Sample ID: LCS 885-10053/2-A
 Matrix: Solid
 Analysis Batch: 10076

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10053

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.6		mg/Kg		99	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Lab Sample ID: MB 885-9887/1-A
 Matrix: Solid
 Analysis Batch: 10018

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9887

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/07/24 14:12	08/08/24 12:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 14:12	08/08/24 12:05	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134	08/07/24 14:12	08/08/24 12:05	1

Lab Sample ID: LCS 885-9887/2-A
 Matrix: Solid
 Analysis Batch: 10018

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.4		mg/Kg		93	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	99		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-9209-20 MS
Matrix: Solid
Analysis Batch: 10018

Client Sample ID: P2-W29
Prep Type: Total/NA
Prep Batch: 9887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		43.3	46.0		mg/Kg		106	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
<i>Di-n-octyl phthalate (Surr)</i>	61	S1-	62 - 134							

Lab Sample ID: 885-9209-20 MSD
Matrix: Solid
Analysis Batch: 10018

Client Sample ID: P2-W29
Prep Type: Total/NA
Prep Batch: 9887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		45.5	49.5		mg/Kg		109	44 - 136	7	32
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
<i>Di-n-octyl phthalate (Surr)</i>	60	S1-	62 - 134								

Lab Sample ID: MB 885-9899/1-A
Matrix: Solid
Analysis Batch: 9966

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 9899

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/07/24 15:58	08/08/24 20:54	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/07/24 15:58	08/08/24 20:54	1	
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac			
<i>Di-n-octyl phthalate (Surr)</i>	116		62 - 134	08/07/24 15:58	08/08/24 20:54	1			

Lab Sample ID: LCS 885-9899/2-A
Matrix: Solid
Analysis Batch: 9966

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 9899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.7		mg/Kg		93	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits				
<i>Di-n-octyl phthalate (Surr)</i>	97		62 - 134				

Lab Sample ID: 885-9209-40 MS
Matrix: Solid
Analysis Batch: 9998

Client Sample ID: PS-48
Prep Type: Total/NA
Prep Batch: 9899

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	F2	46.5	42.0		mg/Kg		90	44 - 136

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-9209-40 MS
 Matrix: Solid
 Analysis Batch: 9998

Client Sample ID: PS-48
 Prep Type: Total/NA
 Prep Batch: 9899

Surrogate	%Recovery	MS MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	87		62 - 134

Lab Sample ID: 885-9209-40 MSD
 Matrix: Solid
 Analysis Batch: 9998

Client Sample ID: PS-48
 Prep Type: Total/NA
 Prep Batch: 9899

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	F2	48.5	64.4	F2	mg/Kg		133	44 - 136	42	32

Surrogate	%Recovery	MSD MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	104		62 - 134

Lab Sample ID: MB 885-9936/1-A
 Matrix: Solid
 Analysis Batch: 9966

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9936

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/08/24 10:20	08/08/24 16:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/08/24 10:20	08/08/24 16:13	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134	08/08/24 10:20	08/08/24 16:13	1

Lab Sample ID: LCS 885-9936/2-A
 Matrix: Solid
 Analysis Batch: 9966

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	52.8		mg/Kg		106	60 - 135

Surrogate	%Recovery	LCS LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	97		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10037/34
 Matrix: Solid
 Analysis Batch: 10037

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			08/09/24 20:04	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MRL 885-10037/33
 Matrix: Solid
 Analysis Batch: 10037

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.536		mg/L		107	50 - 150

Lab Sample ID: MB 885-9910/1-A
 Matrix: Solid
 Analysis Batch: 9964

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9910

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/08/24 07:48	08/08/24 12:20	1

Lab Sample ID: LCS 885-9910/2-A
 Matrix: Solid
 Analysis Batch: 9964

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	32.9		mg/Kg		110	90 - 110

Lab Sample ID: 885-9209-18 MS
 Matrix: Solid
 Analysis Batch: 9964

Client Sample ID: P2-W27
 Prep Type: Total/NA
 Prep Batch: 9910

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	520		29.9	548	4	mg/Kg		78	50 - 150

Lab Sample ID: MB 885-9919/1-A
 Matrix: Solid
 Analysis Batch: 9964

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9919

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/08/24 08:15	08/08/24 14:54	1

Lab Sample ID: LCS 885-9919/2-A
 Matrix: Solid
 Analysis Batch: 9964

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9919

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	32.2		mg/Kg		107	90 - 110

Lab Sample ID: MB 885-9973/1-A
 Matrix: Solid
 Analysis Batch: 9995

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9973

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		08/08/24 16:34	08/08/24 17:06	1

Lab Sample ID: LCS 885-9973/2-A
 Matrix: Solid
 Analysis Batch: 9995

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9973

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.5		mg/Kg		97	90 - 110

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-9985/1-A
 Matrix: Solid
 Analysis Batch: 10037

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 9985

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		08/09/24 09:54	08/09/24 14:06	1

Lab Sample ID: LCS 885-9985/2-A
 Matrix: Solid
 Analysis Batch: 10037

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 9985

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.1		mg/Kg		94	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC VOA

Prep Batch: 9803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	5030C	
885-9209-2	P2-B41	Total/NA	Solid	5030C	
885-9209-3	P2-B1	Total/NA	Solid	5030C	
885-9209-4	P2-B14	Total/NA	Solid	5030C	
885-9209-5	P2-B50	Total/NA	Solid	5030C	
885-9209-6	P2-B51	Total/NA	Solid	5030C	
885-9209-7	P2-B30	Total/NA	Solid	5030C	
885-9209-8	P2-B38	Total/NA	Solid	5030C	
885-9209-9	P2-B34	Total/NA	Solid	5030C	
885-9209-10	P2-B36	Total/NA	Solid	5030C	
885-9209-11	P2-B26	Total/NA	Solid	5030C	
885-9209-12	P2-B19	Total/NA	Solid	5030C	
885-9209-13	P2-W22	Total/NA	Solid	5030C	
885-9209-14	P2-W23	Total/NA	Solid	5030C	
885-9209-15	P2-W24	Total/NA	Solid	5030C	
885-9209-16	P2-W25	Total/NA	Solid	5030C	
885-9209-17	P2-W26	Total/NA	Solid	5030C	
885-9209-18	P2-W27	Total/NA	Solid	5030C	
885-9209-19	P2-W28	Total/NA	Solid	5030C	
885-9209-20	P2-W29	Total/NA	Solid	5030C	
MB 885-9803/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9803/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9803/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9209-1 MS	P2-B42	Total/NA	Solid	5030C	
885-9209-1 MSD	P2-B42	Total/NA	Solid	5030C	
885-9209-2 MS	P2-B41	Total/NA	Solid	5030C	
885-9209-2 MSD	P2-B41	Total/NA	Solid	5030C	

Prep Batch: 9809

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-21	P2-W30	Total/NA	Solid	5030C	
885-9209-22	P2-B18	Total/NA	Solid	5030C	
885-9209-23	P2-B16	Total/NA	Solid	5030C	
885-9209-24	P2-B53	Total/NA	Solid	5030C	
885-9209-25	P2-B54	Total/NA	Solid	5030C	
885-9209-26	P2-B55	Total/NA	Solid	5030C	
885-9209-27	P2-B15	Total/NA	Solid	5030C	
885-9209-28	P2-B43	Total/NA	Solid	5030C	
885-9209-29	P2-B47	Total/NA	Solid	5030C	
885-9209-30	P2-B52	Total/NA	Solid	5030C	
885-9209-31	P2-B6	Total/NA	Solid	5030C	
885-9209-32	P2-B5	Total/NA	Solid	5030C	
885-9209-33	PS-41	Total/NA	Solid	5030C	
885-9209-34	PS-42	Total/NA	Solid	5030C	
885-9209-35	PS-43	Total/NA	Solid	5030C	
885-9209-36	PS-44	Total/NA	Solid	5030C	
885-9209-37	PS-45	Total/NA	Solid	5030C	
885-9209-38	PS-46	Total/NA	Solid	5030C	
885-9209-39	PS-47	Total/NA	Solid	5030C	
885-9209-40	PS-48	Total/NA	Solid	5030C	
MB 885-9809/1-A	Method Blank	Total/NA	Solid	5030C	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC VOA (Continued)

Prep Batch: 9809 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-9809/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9809/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9209-21 MS	P2-W30	Total/NA	Solid	5030C	
885-9209-21 MSD	P2-W30	Total/NA	Solid	5030C	
885-9209-22 MS	P2-B18	Total/NA	Solid	5030C	
885-9209-22 MSD	P2-B18	Total/NA	Solid	5030C	

Prep Batch: 9812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-41	PS-49	Total/NA	Solid	5030C	
885-9209-42	PS-50	Total/NA	Solid	5030C	
885-9209-43	PS-51	Total/NA	Solid	5030C	
885-9209-44	PS-52	Total/NA	Solid	5030C	
885-9209-45	PS-53	Total/NA	Solid	5030C	
885-9209-46	P2-B25	Total/NA	Solid	5030C	
885-9209-47	P2-B33	Total/NA	Solid	5030C	
885-9209-48	P2-B21	Total/NA	Solid	5030C	
885-9209-49	P2-B7	Total/NA	Solid	5030C	
885-9209-50	PS-17A	Total/NA	Solid	5030C	
MB 885-9812/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-9812/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-9812/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9209-41 MS	PS-49	Total/NA	Solid	5030C	
885-9209-41 MSD	PS-49	Total/NA	Solid	5030C	
885-9209-42 MS	PS-50	Total/NA	Solid	5030C	
885-9209-42 MSD	PS-50	Total/NA	Solid	5030C	

Analysis Batch: 10071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	8015M/D	9803
885-9209-2	P2-B41	Total/NA	Solid	8015M/D	9803
885-9209-3	P2-B1	Total/NA	Solid	8015M/D	9803
885-9209-4	P2-B14	Total/NA	Solid	8015M/D	9803
885-9209-5	P2-B50	Total/NA	Solid	8015M/D	9803
885-9209-6	P2-B51	Total/NA	Solid	8015M/D	9803
885-9209-7	P2-B30	Total/NA	Solid	8015M/D	9803
885-9209-8	P2-B38	Total/NA	Solid	8015M/D	9803
885-9209-9	P2-B34	Total/NA	Solid	8015M/D	9803
885-9209-10	P2-B36	Total/NA	Solid	8015M/D	9803
885-9209-11	P2-B26	Total/NA	Solid	8015M/D	9803
885-9209-12	P2-B19	Total/NA	Solid	8015M/D	9803
885-9209-13	P2-W22	Total/NA	Solid	8015M/D	9803
885-9209-14	P2-W23	Total/NA	Solid	8015M/D	9803
885-9209-15	P2-W24	Total/NA	Solid	8015M/D	9803
885-9209-16	P2-W25	Total/NA	Solid	8015M/D	9803
885-9209-17	P2-W26	Total/NA	Solid	8015M/D	9803
885-9209-18	P2-W27	Total/NA	Solid	8015M/D	9803
885-9209-19	P2-W28	Total/NA	Solid	8015M/D	9803
885-9209-20	P2-W29	Total/NA	Solid	8015M/D	9803
885-9209-21	P2-W30	Total/NA	Solid	8015M/D	9809
885-9209-22	P2-B18	Total/NA	Solid	8015M/D	9809

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC VOA (Continued)

Analysis Batch: 10071 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-23	P2-B16	Total/NA	Solid	8015M/D	9809
885-9209-24	P2-B53	Total/NA	Solid	8015M/D	9809
885-9209-25	P2-B54	Total/NA	Solid	8015M/D	9809
885-9209-26	P2-B55	Total/NA	Solid	8015M/D	9809
885-9209-27	P2-B15	Total/NA	Solid	8015M/D	9809
885-9209-28	P2-B43	Total/NA	Solid	8015M/D	9809
885-9209-29	P2-B47	Total/NA	Solid	8015M/D	9809
885-9209-30	P2-B52	Total/NA	Solid	8015M/D	9809
885-9209-31	P2-B6	Total/NA	Solid	8015M/D	9809
885-9209-32	P2-B5	Total/NA	Solid	8015M/D	9809
885-9209-33	PS-41	Total/NA	Solid	8015M/D	9809
885-9209-34	PS-42	Total/NA	Solid	8015M/D	9809
885-9209-35	PS-43	Total/NA	Solid	8015M/D	9809
885-9209-36	PS-44	Total/NA	Solid	8015M/D	9809
885-9209-37	PS-45	Total/NA	Solid	8015M/D	9809
885-9209-38	PS-46	Total/NA	Solid	8015M/D	9809
885-9209-39	PS-47	Total/NA	Solid	8015M/D	9809
885-9209-40	PS-48	Total/NA	Solid	8015M/D	9809
MB 885-9803/1-A	Method Blank	Total/NA	Solid	8015M/D	9803
MB 885-9809/1-A	Method Blank	Total/NA	Solid	8015M/D	9809
LCS 885-9803/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9803
LCS 885-9809/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9809
885-9209-1 MS	P2-B42	Total/NA	Solid	8015M/D	9803
885-9209-1 MSD	P2-B42	Total/NA	Solid	8015M/D	9803
885-9209-21 MS	P2-W30	Total/NA	Solid	8015M/D	9809
885-9209-21 MSD	P2-W30	Total/NA	Solid	8015M/D	9809

Analysis Batch: 10072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	8021B	9803
885-9209-2	P2-B41	Total/NA	Solid	8021B	9803
885-9209-3	P2-B1	Total/NA	Solid	8021B	9803
885-9209-4	P2-B14	Total/NA	Solid	8021B	9803
885-9209-5	P2-B50	Total/NA	Solid	8021B	9803
885-9209-6	P2-B51	Total/NA	Solid	8021B	9803
885-9209-7	P2-B30	Total/NA	Solid	8021B	9803
885-9209-8	P2-B38	Total/NA	Solid	8021B	9803
885-9209-9	P2-B34	Total/NA	Solid	8021B	9803
885-9209-10	P2-B36	Total/NA	Solid	8021B	9803
885-9209-11	P2-B26	Total/NA	Solid	8021B	9803
885-9209-12	P2-B19	Total/NA	Solid	8021B	9803
885-9209-13	P2-W22	Total/NA	Solid	8021B	9803
885-9209-14	P2-W23	Total/NA	Solid	8021B	9803
885-9209-15	P2-W24	Total/NA	Solid	8021B	9803
885-9209-16	P2-W25	Total/NA	Solid	8021B	9803
885-9209-17	P2-W26	Total/NA	Solid	8021B	9803
885-9209-18	P2-W27	Total/NA	Solid	8021B	9803
885-9209-19	P2-W28	Total/NA	Solid	8021B	9803
885-9209-20	P2-W29	Total/NA	Solid	8021B	9803
885-9209-21	P2-W30	Total/NA	Solid	8021B	9809
885-9209-22	P2-B18	Total/NA	Solid	8021B	9809

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC VOA (Continued)

Analysis Batch: 10072 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-23	P2-B16	Total/NA	Solid	8021B	9809
885-9209-24	P2-B53	Total/NA	Solid	8021B	9809
885-9209-25	P2-B54	Total/NA	Solid	8021B	9809
885-9209-26	P2-B55	Total/NA	Solid	8021B	9809
885-9209-27	P2-B15	Total/NA	Solid	8021B	9809
885-9209-28	P2-B43	Total/NA	Solid	8021B	9809
885-9209-29	P2-B47	Total/NA	Solid	8021B	9809
885-9209-30	P2-B52	Total/NA	Solid	8021B	9809
885-9209-31	P2-B6	Total/NA	Solid	8021B	9809
885-9209-32	P2-B5	Total/NA	Solid	8021B	9809
885-9209-33	PS-41	Total/NA	Solid	8021B	9809
885-9209-34	PS-42	Total/NA	Solid	8021B	9809
885-9209-35	PS-43	Total/NA	Solid	8021B	9809
885-9209-36	PS-44	Total/NA	Solid	8021B	9809
885-9209-37	PS-45	Total/NA	Solid	8021B	9809
885-9209-38	PS-46	Total/NA	Solid	8021B	9809
885-9209-39	PS-47	Total/NA	Solid	8021B	9809
885-9209-40	PS-48	Total/NA	Solid	8021B	9809
MB 885-9803/1-A	Method Blank	Total/NA	Solid	8021B	9803
MB 885-9809/1-A	Method Blank	Total/NA	Solid	8021B	9809
LCS 885-9803/3-A	Lab Control Sample	Total/NA	Solid	8021B	9803
LCS 885-9809/3-A	Lab Control Sample	Total/NA	Solid	8021B	9809
885-9209-2 MS	P2-B41	Total/NA	Solid	8021B	9803
885-9209-2 MSD	P2-B41	Total/NA	Solid	8021B	9803
885-9209-22 MS	P2-B18	Total/NA	Solid	8021B	9809
885-9209-22 MSD	P2-B18	Total/NA	Solid	8021B	9809

Analysis Batch: 10169

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-41	PS-49	Total/NA	Solid	8015M/D	9812
885-9209-42	PS-50	Total/NA	Solid	8015M/D	9812
885-9209-43	PS-51	Total/NA	Solid	8015M/D	9812
885-9209-44	PS-52	Total/NA	Solid	8015M/D	9812
885-9209-45	PS-53	Total/NA	Solid	8015M/D	9812
885-9209-46	P2-B25	Total/NA	Solid	8015M/D	9812
885-9209-47	P2-B33	Total/NA	Solid	8015M/D	9812
885-9209-48	P2-B21	Total/NA	Solid	8015M/D	9812
885-9209-49	P2-B7	Total/NA	Solid	8015M/D	9812
885-9209-50	PS-17A	Total/NA	Solid	8015M/D	9812
MB 885-9812/1-A	Method Blank	Total/NA	Solid	8015M/D	9812
LCS 885-9812/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9812
885-9209-41 MS	PS-49	Total/NA	Solid	8015M/D	9812
885-9209-41 MSD	PS-49	Total/NA	Solid	8015M/D	9812

Analysis Batch: 10171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-41	PS-49	Total/NA	Solid	8021B	9812
885-9209-42	PS-50	Total/NA	Solid	8021B	9812
885-9209-43	PS-51	Total/NA	Solid	8021B	9812
885-9209-44	PS-52	Total/NA	Solid	8021B	9812
885-9209-45	PS-53	Total/NA	Solid	8021B	9812

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC VOA (Continued)

Analysis Batch: 10171 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-46	P2-B25	Total/NA	Solid	8021B	9812
885-9209-47	P2-B33	Total/NA	Solid	8021B	9812
885-9209-48	P2-B21	Total/NA	Solid	8021B	9812
885-9209-49	P2-B7	Total/NA	Solid	8021B	9812
885-9209-50	PS-17A	Total/NA	Solid	8021B	9812
MB 885-9812/1-A	Method Blank	Total/NA	Solid	8021B	9812
LCS 885-9812/3-A	Lab Control Sample	Total/NA	Solid	8021B	9812
885-9209-42 MS	PS-50	Total/NA	Solid	8021B	9812
885-9209-42 MSD	PS-50	Total/NA	Solid	8021B	9812

GC Semi VOA

Prep Batch: 9887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	SHAKE	
885-9209-2	P2-B41	Total/NA	Solid	SHAKE	
885-9209-3	P2-B1	Total/NA	Solid	SHAKE	
885-9209-4	P2-B14	Total/NA	Solid	SHAKE	
885-9209-5	P2-B50	Total/NA	Solid	SHAKE	
885-9209-6	P2-B51	Total/NA	Solid	SHAKE	
885-9209-7	P2-B30	Total/NA	Solid	SHAKE	
885-9209-8	P2-B38	Total/NA	Solid	SHAKE	
885-9209-9	P2-B34	Total/NA	Solid	SHAKE	
885-9209-10	P2-B36	Total/NA	Solid	SHAKE	
885-9209-11	P2-B26	Total/NA	Solid	SHAKE	
885-9209-12	P2-B19	Total/NA	Solid	SHAKE	
885-9209-13	P2-W22	Total/NA	Solid	SHAKE	
885-9209-14	P2-W23	Total/NA	Solid	SHAKE	
885-9209-15	P2-W24	Total/NA	Solid	SHAKE	
885-9209-16	P2-W25	Total/NA	Solid	SHAKE	
885-9209-17	P2-W26	Total/NA	Solid	SHAKE	
885-9209-18	P2-W27	Total/NA	Solid	SHAKE	
885-9209-19	P2-W28	Total/NA	Solid	SHAKE	
885-9209-20	P2-W29	Total/NA	Solid	SHAKE	
MB 885-9887/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9887/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-9209-20 MS	P2-W29	Total/NA	Solid	SHAKE	
885-9209-20 MSD	P2-W29	Total/NA	Solid	SHAKE	

Prep Batch: 9899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-21	P2-W30	Total/NA	Solid	SHAKE	
885-9209-22	P2-B18	Total/NA	Solid	SHAKE	
885-9209-23	P2-B16	Total/NA	Solid	SHAKE	
885-9209-24	P2-B53	Total/NA	Solid	SHAKE	
885-9209-25	P2-B54	Total/NA	Solid	SHAKE	
885-9209-26	P2-B55	Total/NA	Solid	SHAKE	
885-9209-27	P2-B15	Total/NA	Solid	SHAKE	
885-9209-28	P2-B43	Total/NA	Solid	SHAKE	
885-9209-29	P2-B47	Total/NA	Solid	SHAKE	
885-9209-30	P2-B52	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC Semi VOA (Continued)

Prep Batch: 9899 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-31	P2-B6	Total/NA	Solid	SHAKE	
885-9209-32	P2-B5	Total/NA	Solid	SHAKE	
885-9209-33	PS-41	Total/NA	Solid	SHAKE	
885-9209-34	PS-42	Total/NA	Solid	SHAKE	
885-9209-35	PS-43	Total/NA	Solid	SHAKE	
885-9209-36	PS-44	Total/NA	Solid	SHAKE	
885-9209-38	PS-46	Total/NA	Solid	SHAKE	
885-9209-39	PS-47	Total/NA	Solid	SHAKE	
885-9209-40	PS-48	Total/NA	Solid	SHAKE	
MB 885-9899/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9899/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-9209-40 MS	PS-48	Total/NA	Solid	SHAKE	
885-9209-40 MSD	PS-48	Total/NA	Solid	SHAKE	

Prep Batch: 9936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-41	PS-49	Total/NA	Solid	SHAKE	
885-9209-42	PS-50	Total/NA	Solid	SHAKE	
885-9209-43	PS-51	Total/NA	Solid	SHAKE	
885-9209-44	PS-52	Total/NA	Solid	SHAKE	
885-9209-45	PS-53	Total/NA	Solid	SHAKE	
885-9209-46	P2-B25	Total/NA	Solid	SHAKE	
885-9209-47	P2-B33	Total/NA	Solid	SHAKE	
885-9209-48	P2-B21	Total/NA	Solid	SHAKE	
885-9209-49	P2-B7	Total/NA	Solid	SHAKE	
885-9209-50	PS-17A	Total/NA	Solid	SHAKE	
MB 885-9936/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-9936/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 9966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-21	P2-W30	Total/NA	Solid	8015M/D	9899
885-9209-22	P2-B18	Total/NA	Solid	8015M/D	9899
885-9209-23	P2-B16	Total/NA	Solid	8015M/D	9899
885-9209-24	P2-B53	Total/NA	Solid	8015M/D	9899
885-9209-25	P2-B54	Total/NA	Solid	8015M/D	9899
885-9209-26	P2-B55	Total/NA	Solid	8015M/D	9899
885-9209-27	P2-B15	Total/NA	Solid	8015M/D	9899
885-9209-28	P2-B43	Total/NA	Solid	8015M/D	9899
885-9209-29	P2-B47	Total/NA	Solid	8015M/D	9899
885-9209-30	P2-B52	Total/NA	Solid	8015M/D	9899
885-9209-31	P2-B6	Total/NA	Solid	8015M/D	9899
885-9209-32	P2-B5	Total/NA	Solid	8015M/D	9899
885-9209-33	PS-41	Total/NA	Solid	8015M/D	9899
885-9209-34	PS-42	Total/NA	Solid	8015M/D	9899
885-9209-35	PS-43	Total/NA	Solid	8015M/D	9899
885-9209-41	PS-49	Total/NA	Solid	8015M/D	9936
885-9209-42	PS-50	Total/NA	Solid	8015M/D	9936
885-9209-43	PS-51	Total/NA	Solid	8015M/D	9936
885-9209-44	PS-52	Total/NA	Solid	8015M/D	9936
885-9209-45	PS-53	Total/NA	Solid	8015M/D	9936

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC Semi VOA (Continued)

Analysis Batch: 9966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-46	P2-B25	Total/NA	Solid	8015M/D	9936
885-9209-47	P2-B33	Total/NA	Solid	8015M/D	9936
885-9209-48	P2-B21	Total/NA	Solid	8015M/D	9936
885-9209-49	P2-B7	Total/NA	Solid	8015M/D	9936
885-9209-50	PS-17A	Total/NA	Solid	8015M/D	9936
MB 885-9899/1-A	Method Blank	Total/NA	Solid	8015M/D	9899
MB 885-9936/1-A	Method Blank	Total/NA	Solid	8015M/D	9936
LCS 885-9899/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9899
LCS 885-9936/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9936

Analysis Batch: 9997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-36	PS-44	Total/NA	Solid	8015M/D	9899

Analysis Batch: 9998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-38	PS-46	Total/NA	Solid	8015M/D	9899
885-9209-39	PS-47	Total/NA	Solid	8015M/D	9899
885-9209-40	PS-48	Total/NA	Solid	8015M/D	9899
885-9209-40 MS	PS-48	Total/NA	Solid	8015M/D	9899
885-9209-40 MSD	PS-48	Total/NA	Solid	8015M/D	9899

Analysis Batch: 10018

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	8015M/D	9887
885-9209-2	P2-B41	Total/NA	Solid	8015M/D	9887
885-9209-3	P2-B1	Total/NA	Solid	8015M/D	9887
885-9209-4	P2-B14	Total/NA	Solid	8015M/D	9887
885-9209-5	P2-B50	Total/NA	Solid	8015M/D	9887
885-9209-6	P2-B51	Total/NA	Solid	8015M/D	9887
885-9209-7	P2-B30	Total/NA	Solid	8015M/D	9887
885-9209-8	P2-B38	Total/NA	Solid	8015M/D	9887
885-9209-9	P2-B34	Total/NA	Solid	8015M/D	9887
885-9209-10	P2-B36	Total/NA	Solid	8015M/D	9887
885-9209-11	P2-B26	Total/NA	Solid	8015M/D	9887
885-9209-12	P2-B19	Total/NA	Solid	8015M/D	9887
885-9209-13	P2-W22	Total/NA	Solid	8015M/D	9887
885-9209-14	P2-W23	Total/NA	Solid	8015M/D	9887
885-9209-15	P2-W24	Total/NA	Solid	8015M/D	9887
885-9209-16	P2-W25	Total/NA	Solid	8015M/D	9887
885-9209-17	P2-W26	Total/NA	Solid	8015M/D	9887
885-9209-18	P2-W27	Total/NA	Solid	8015M/D	9887
885-9209-19	P2-W28	Total/NA	Solid	8015M/D	9887
885-9209-20	P2-W29	Total/NA	Solid	8015M/D	9887
MB 885-9887/1-A	Method Blank	Total/NA	Solid	8015M/D	9887
LCS 885-9887/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	9887
885-9209-20 MS	P2-W29	Total/NA	Solid	8015M/D	9887
885-9209-20 MSD	P2-W29	Total/NA	Solid	8015M/D	9887

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

GC Semi VOA

Prep Batch: 10053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-37	PS-45	Total/NA	Solid	SHAKE	
MB 885-10053/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10053/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 10076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-37	PS-45	Total/NA	Solid	8015M/D	10053
MB 885-10053/1-A	Method Blank	Total/NA	Solid	8015M/D	10053
LCS 885-10053/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10053

HPLC/IC

Prep Batch: 9910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	300_Prep	
885-9209-2	P2-B41	Total/NA	Solid	300_Prep	
885-9209-3	P2-B1	Total/NA	Solid	300_Prep	
885-9209-4	P2-B14	Total/NA	Solid	300_Prep	
885-9209-5	P2-B50	Total/NA	Solid	300_Prep	
885-9209-6	P2-B51	Total/NA	Solid	300_Prep	
885-9209-7	P2-B30	Total/NA	Solid	300_Prep	
885-9209-8	P2-B38	Total/NA	Solid	300_Prep	
885-9209-9	P2-B34	Total/NA	Solid	300_Prep	
885-9209-10	P2-B36	Total/NA	Solid	300_Prep	
885-9209-11	P2-B26	Total/NA	Solid	300_Prep	
885-9209-12	P2-B19	Total/NA	Solid	300_Prep	
885-9209-13	P2-W22	Total/NA	Solid	300_Prep	
885-9209-14	P2-W23	Total/NA	Solid	300_Prep	
885-9209-15	P2-W24	Total/NA	Solid	300_Prep	
885-9209-16	P2-W25	Total/NA	Solid	300_Prep	
885-9209-17	P2-W26	Total/NA	Solid	300_Prep	
885-9209-18	P2-W27	Total/NA	Solid	300_Prep	
885-9209-19	P2-W28	Total/NA	Solid	300_Prep	
MB 885-9910/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9910/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9209-18 MS	P2-W27	Total/NA	Solid	300_Prep	

Prep Batch: 9919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-20	P2-W29	Total/NA	Solid	300_Prep	
885-9209-21	P2-W30	Total/NA	Solid	300_Prep	
885-9209-22	P2-B18	Total/NA	Solid	300_Prep	
885-9209-23	P2-B16	Total/NA	Solid	300_Prep	
885-9209-24	P2-B53	Total/NA	Solid	300_Prep	
885-9209-25	P2-B54	Total/NA	Solid	300_Prep	
885-9209-26	P2-B55	Total/NA	Solid	300_Prep	
885-9209-27	P2-B15	Total/NA	Solid	300_Prep	
885-9209-28	P2-B43	Total/NA	Solid	300_Prep	
885-9209-29	P2-B47	Total/NA	Solid	300_Prep	
885-9209-30	P2-B52	Total/NA	Solid	300_Prep	
885-9209-31	P2-B6	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

HPLC/IC (Continued)

Prep Batch: 9919 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-32	P2-B5	Total/NA	Solid	300_Prep	
885-9209-33	PS-41	Total/NA	Solid	300_Prep	
885-9209-34	PS-42	Total/NA	Solid	300_Prep	
885-9209-35	PS-43	Total/NA	Solid	300_Prep	
885-9209-36	PS-44	Total/NA	Solid	300_Prep	
885-9209-37	PS-45	Total/NA	Solid	300_Prep	
885-9209-38	PS-46	Total/NA	Solid	300_Prep	
885-9209-39	PS-47	Total/NA	Solid	300_Prep	
MB 885-9919/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9919/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 9964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-1	P2-B42	Total/NA	Solid	300.0	9910
885-9209-2	P2-B41	Total/NA	Solid	300.0	9910
885-9209-3	P2-B1	Total/NA	Solid	300.0	9910
885-9209-4	P2-B14	Total/NA	Solid	300.0	9910
885-9209-5	P2-B50	Total/NA	Solid	300.0	9910
885-9209-6	P2-B51	Total/NA	Solid	300.0	9910
885-9209-7	P2-B30	Total/NA	Solid	300.0	9910
885-9209-8	P2-B38	Total/NA	Solid	300.0	9910
885-9209-9	P2-B34	Total/NA	Solid	300.0	9910
885-9209-10	P2-B36	Total/NA	Solid	300.0	9910
885-9209-11	P2-B26	Total/NA	Solid	300.0	9910
885-9209-12	P2-B19	Total/NA	Solid	300.0	9910
885-9209-13	P2-W22	Total/NA	Solid	300.0	9910
885-9209-14	P2-W23	Total/NA	Solid	300.0	9910
885-9209-15	P2-W24	Total/NA	Solid	300.0	9910
885-9209-16	P2-W25	Total/NA	Solid	300.0	9910
885-9209-17	P2-W26	Total/NA	Solid	300.0	9910
885-9209-18	P2-W27	Total/NA	Solid	300.0	9910
885-9209-19	P2-W28	Total/NA	Solid	300.0	9910
885-9209-20	P2-W29	Total/NA	Solid	300.0	9919
885-9209-21	P2-W30	Total/NA	Solid	300.0	9919
885-9209-22	P2-B18	Total/NA	Solid	300.0	9919
885-9209-23	P2-B16	Total/NA	Solid	300.0	9919
885-9209-24	P2-B53	Total/NA	Solid	300.0	9919
885-9209-25	P2-B54	Total/NA	Solid	300.0	9919
885-9209-26	P2-B55	Total/NA	Solid	300.0	9919
885-9209-27	P2-B15	Total/NA	Solid	300.0	9919
885-9209-28	P2-B43	Total/NA	Solid	300.0	9919
885-9209-29	P2-B47	Total/NA	Solid	300.0	9919
885-9209-30	P2-B52	Total/NA	Solid	300.0	9919
885-9209-31	P2-B6	Total/NA	Solid	300.0	9919
885-9209-32	P2-B5	Total/NA	Solid	300.0	9919
885-9209-33	PS-41	Total/NA	Solid	300.0	9919
885-9209-34	PS-42	Total/NA	Solid	300.0	9919
885-9209-35	PS-43	Total/NA	Solid	300.0	9919
885-9209-36	PS-44	Total/NA	Solid	300.0	9919
885-9209-37	PS-45	Total/NA	Solid	300.0	9919
MB 885-9910/1-A	Method Blank	Total/NA	Solid	300.0	9910

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

HPLC/IC (Continued)

Analysis Batch: 9964 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-9919/1-A	Method Blank	Total/NA	Solid	300.0	9919
LCS 885-9910/2-A	Lab Control Sample	Total/NA	Solid	300.0	9910
LCS 885-9919/2-A	Lab Control Sample	Total/NA	Solid	300.0	9919
885-9209-18 MS	P2-W27	Total/NA	Solid	300.0	9910

Prep Batch: 9973

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-40	PS-48	Total/NA	Solid	300_Prep	
885-9209-41	PS-49	Total/NA	Solid	300_Prep	
885-9209-42	PS-50	Total/NA	Solid	300_Prep	
885-9209-43	PS-51	Total/NA	Solid	300_Prep	
MB 885-9973/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9973/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 9985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-44	PS-52	Total/NA	Solid	300_Prep	
885-9209-45	PS-53	Total/NA	Solid	300_Prep	
885-9209-46	P2-B25	Total/NA	Solid	300_Prep	
885-9209-47	P2-B33	Total/NA	Solid	300_Prep	
885-9209-48	P2-B21	Total/NA	Solid	300_Prep	
885-9209-49	P2-B7	Total/NA	Solid	300_Prep	
885-9209-50	PS-17A	Total/NA	Solid	300_Prep	
MB 885-9985/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-9985/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 9995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-9973/1-A	Method Blank	Total/NA	Solid	300.0	9973
LCS 885-9973/2-A	Lab Control Sample	Total/NA	Solid	300.0	9973

Analysis Batch: 10026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-38	PS-46	Total/NA	Solid	300.0	9919
885-9209-39	PS-47	Total/NA	Solid	300.0	9919

Analysis Batch: 10037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-44	PS-52	Total/NA	Solid	300.0	9985
885-9209-45	PS-53	Total/NA	Solid	300.0	9985
885-9209-46	P2-B25	Total/NA	Solid	300.0	9985
885-9209-47	P2-B33	Total/NA	Solid	300.0	9985
885-9209-48	P2-B21	Total/NA	Solid	300.0	9985
885-9209-49	P2-B7	Total/NA	Solid	300.0	9985
885-9209-50	PS-17A	Total/NA	Solid	300.0	9985
MB 885-10037/34	Method Blank	Total/NA	Solid	300.0	
MB 885-9985/1-A	Method Blank	Total/NA	Solid	300.0	9985
LCS 885-9985/2-A	Lab Control Sample	Total/NA	Solid	300.0	9985
MRL 885-10037/33	Lab Control Sample	Total/NA	Solid	300.0	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

HPLC/IC

Analysis Batch: 10041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9209-40	PS-48	Total/NA	Solid	300.0	9973
885-9209-41	PS-49	Total/NA	Solid	300.0	9973
885-9209-42	PS-50	Total/NA	Solid	300.0	9973
885-9209-43	PS-51	Total/NA	Solid	300.0	9973

- 1
- 2
- 3
- 4
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- 7
- 8
- 9
- 10
- 11

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B42

Lab Sample ID: 885-9209-1

Date Collected: 08/02/24 09:00

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 01:42
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 01:42
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 12:27
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 12:58

Client Sample ID: P2-B41

Lab Sample ID: 885-9209-2

Date Collected: 08/02/24 09:04

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 02:52
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 02:52
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 12:38
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 13:11

Client Sample ID: P2-B1

Lab Sample ID: 885-9209-3

Date Collected: 08/02/24 09:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 04:02
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 04:02
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 12:48
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 13:24

Client Sample ID: P2-B14

Lab Sample ID: 885-9209-4

Date Collected: 08/02/24 09:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 04:26

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B14

Lab Sample ID: 885-9209-4

Date Collected: 08/02/24 09:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 04:26
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 12:59
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 13:37

Client Sample ID: P2-B50

Lab Sample ID: 885-9209-5

Date Collected: 08/02/24 09:14

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 04:49
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 04:49
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 13:10
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 13:50

Client Sample ID: P2-B51

Lab Sample ID: 885-9209-6

Date Collected: 08/02/24 09:20

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 05:12
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 05:12
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 13:21
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 14:03

Client Sample ID: P2-B30

Lab Sample ID: 885-9209-7

Date Collected: 08/02/24 09:26

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 05:36
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 05:36

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B30

Lab Sample ID: 885-9209-7

Date Collected: 08/02/24 09:26

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 13:32
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 14:16

Client Sample ID: P2-B38

Lab Sample ID: 885-9209-8

Date Collected: 08/02/24 09:40

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 05:59
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 05:59
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 13:42
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 15:20

Client Sample ID: P2-B34

Lab Sample ID: 885-9209-9

Date Collected: 08/02/24 09:48

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 06:23
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 06:23
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 13:53
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 15:32

Client Sample ID: P2-B36

Lab Sample ID: 885-9209-10

Date Collected: 08/02/24 09:50

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 06:46
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 06:46
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 14:29

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B36

Lab Sample ID: 885-9209-10

Date Collected: 08/02/24 09:50

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 15:45

Client Sample ID: P2-B26

Lab Sample ID: 885-9209-11

Date Collected: 08/02/24 09:54

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 07:33
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 07:33
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 14:39
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 15:58

Client Sample ID: P2-B19

Lab Sample ID: 885-9209-12

Date Collected: 08/02/24 09:56

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 07:56
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 07:56
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:01
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 16:11

Client Sample ID: P2-W22

Lab Sample ID: 885-9209-13

Date Collected: 08/02/24 10:20

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 08:20
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 08:20
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:12
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 16:24

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W23

Lab Sample ID: 885-9209-14

Date Collected: 08/02/24 10:22

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 08:44
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 08:44
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:23
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 16:37

Client Sample ID: P2-W24

Lab Sample ID: 885-9209-15

Date Collected: 08/02/24 10:24

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 09:07
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 09:07
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:34
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 16:50

Client Sample ID: P2-W25

Lab Sample ID: 885-9209-16

Date Collected: 08/02/24 10:30

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 09:31
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 09:31
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:45
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 17:28

Client Sample ID: P2-W26

Lab Sample ID: 885-9209-17

Date Collected: 08/02/24 10:32

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 09:54

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W26

Lab Sample ID: 885-9209-17

Date Collected: 08/02/24 10:32

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 09:54
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 15:56
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 17:41

Client Sample ID: P2-W27

Lab Sample ID: 885-9209-18

Date Collected: 08/02/24 10:34

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 10:17
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 10:17
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 16:07
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 17:54

Client Sample ID: P2-W28

Lab Sample ID: 885-9209-19

Date Collected: 08/02/24 10:40

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 10:41
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 10:41
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 16:18
Total/NA	Prep	300_Prep			9910	JT	EET ALB	08/08/24 07:48
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 18:32

Client Sample ID: P2-W29

Lab Sample ID: 885-9209-20

Date Collected: 08/02/24 10:44

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 11:05
Total/NA	Prep	5030C			9803	JP	EET ALB	08/06/24 11:08
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 11:05

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-W29

Lab Sample ID: 885-9209-20

Date Collected: 08/02/24 10:44

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9887	EM	EET ALB	08/07/24 14:12
Total/NA	Analysis	8015M/D		1	10018	EM	EET ALB	08/08/24 16:29
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 19:11

Client Sample ID: P2-W30

Lab Sample ID: 885-9209-21

Date Collected: 08/02/24 10:46

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 13:25
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 13:25
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 21:21
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 19:24

Client Sample ID: P2-B18

Lab Sample ID: 885-9209-22

Date Collected: 08/02/24 11:00

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 14:36
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 14:36
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 21:49
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 20:54

Client Sample ID: P2-B16

Lab Sample ID: 885-9209-23

Date Collected: 08/02/24 11:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 15:46
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 15:46
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 22:03

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B16

Lab Sample ID: 885-9209-23

Date Collected: 08/02/24 11:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 21:07

Client Sample ID: P2-B53

Lab Sample ID: 885-9209-24

Date Collected: 08/02/24 11:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 16:10
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 16:10
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 22:16
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 21:20

Client Sample ID: P2-B54

Lab Sample ID: 885-9209-25

Date Collected: 08/02/24 11:14

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 16:33
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 16:33
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 22:30
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 21:33

Client Sample ID: P2-B55

Lab Sample ID: 885-9209-26

Date Collected: 08/02/24 11:18

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 16:57
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 16:57
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 22:43
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 21:45

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B15

Lab Sample ID: 885-9209-27

Date Collected: 08/02/24 11:20

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 17:20
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 17:20
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 22:57
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 21:58

Client Sample ID: P2-B43

Lab Sample ID: 885-9209-28

Date Collected: 08/02/24 11:24

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 17:44
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 17:44
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 23:11
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 22:37

Client Sample ID: P2-B47

Lab Sample ID: 885-9209-29

Date Collected: 08/02/24 11:26

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 18:07
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 18:07
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 23:25
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 22:50

Client Sample ID: P2-B52

Lab Sample ID: 885-9209-30

Date Collected: 08/02/24 11:30

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 18:31

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B52

Lab Sample ID: 885-9209-30

Date Collected: 08/02/24 11:30

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 18:31
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 23:39
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 23:03

Client Sample ID: P2-B6

Lab Sample ID: 885-9209-31

Date Collected: 08/02/24 11:36

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 19:18
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 19:18
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 23:53
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 23:16

Client Sample ID: P2-B5

Lab Sample ID: 885-9209-32

Date Collected: 08/02/24 11:40

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 19:41
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 19:41
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/09/24 00:06
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 23:29

Client Sample ID: PS-41

Lab Sample ID: 885-9209-33

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 20:04
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 20:04

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-41

Lab Sample ID: 885-9209-33

Date Collected: 08/02/24 13:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/09/24 00:34
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 23:41

Client Sample ID: PS-42

Lab Sample ID: 885-9209-34

Date Collected: 08/02/24 13:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 20:28
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 20:28
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/09/24 00:47
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/08/24 23:54

Client Sample ID: PS-43

Lab Sample ID: 885-9209-35

Date Collected: 08/02/24 13:16

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 20:51
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 20:51
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/09/24 01:01
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/09/24 00:07

Client Sample ID: PS-44

Lab Sample ID: 885-9209-36

Date Collected: 08/02/24 13:20

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 21:15
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 21:15
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9997	KR	EET ALB	08/09/24 19:12

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-44
Date Collected: 08/02/24 13:20
Date Received: 08/06/24 07:30

Lab Sample ID: 885-9209-36
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/09/24 00:20

Client Sample ID: PS-45
Date Collected: 08/02/24 14:00
Date Received: 08/06/24 07:30

Lab Sample ID: 885-9209-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 21:38
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 21:38
Total/NA	Prep	SHAKE			10053	KR	EET ALB	08/12/24 09:07
Total/NA	Analysis	8015M/D		1	10076	KR	EET ALB	08/12/24 15:34
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	9964	MA	EET ALB	08/09/24 00:33

Client Sample ID: PS-46
Date Collected: 08/02/24 14:02
Date Received: 08/06/24 07:30

Lab Sample ID: 885-9209-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 22:01
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 22:01
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9998	KR	EET ALB	08/09/24 13:11
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	10026	RC	EET ALB	08/09/24 12:04

Client Sample ID: PS-47
Date Collected: 08/02/24 14:06
Date Received: 08/06/24 07:30

Lab Sample ID: 885-9209-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 22:25
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 22:25
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9998	KR	EET ALB	08/09/24 13:24
Total/NA	Prep	300_Prep			9919	JT	EET ALB	08/08/24 08:15
Total/NA	Analysis	300.0		20	10026	RC	EET ALB	08/09/24 12:17

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-48

Lab Sample ID: 885-9209-40

Date Collected: 08/02/24 14:08

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8015M/D		1	10071	JP	EET ALB	08/11/24 22:48
Total/NA	Prep	5030C			9809	JP	EET ALB	08/06/24 12:31
Total/NA	Analysis	8021B		1	10072	JP	EET ALB	08/11/24 22:48
Total/NA	Prep	SHAKE			9899	KR	EET ALB	08/07/24 15:58
Total/NA	Analysis	8015M/D		1	9998	KR	EET ALB	08/09/24 13:37
Total/NA	Prep	300_Prep			9973	RC	EET ALB	08/08/24 16:34
Total/NA	Analysis	300.0		20	10041	RC	EET ALB	08/09/24 16:09

Client Sample ID: PS-49

Lab Sample ID: 885-9209-41

Date Collected: 08/02/24 14:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 12:25
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 12:25
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 16:51
Total/NA	Prep	300_Prep			9973	RC	EET ALB	08/08/24 16:34
Total/NA	Analysis	300.0		20	10041	RC	EET ALB	08/09/24 16:24

Client Sample ID: PS-50

Lab Sample ID: 885-9209-42

Date Collected: 08/02/24 14:20

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 13:36
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 13:36
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 17:04
Total/NA	Prep	300_Prep			9973	RC	EET ALB	08/08/24 16:34
Total/NA	Analysis	300.0		20	10041	RC	EET ALB	08/09/24 17:09

Client Sample ID: PS-51

Lab Sample ID: 885-9209-43

Date Collected: 08/02/24 14:24

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 14:47

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: PS-51

Lab Sample ID: 885-9209-43

Date Collected: 08/02/24 14:24

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 14:47
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 17:16
Total/NA	Prep	300_Prep			9973	RC	EET ALB	08/08/24 16:34
Total/NA	Analysis	300.0		20	10041	RC	EET ALB	08/09/24 17:24

Client Sample ID: PS-52

Lab Sample ID: 885-9209-44

Date Collected: 08/02/24 14:30

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 15:11
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 15:11
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 17:29
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 13:27

Client Sample ID: PS-53

Lab Sample ID: 885-9209-45

Date Collected: 08/02/24 14:32

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 15:34
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 15:34
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 17:42
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 14:18

Client Sample ID: P2-B25

Lab Sample ID: 885-9209-46

Date Collected: 08/02/24 10:02

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 15:58
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 15:58

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B25

Lab Sample ID: 885-9209-46

Date Collected: 08/02/24 10:02

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 17:55
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 14:30

Client Sample ID: P2-B33

Lab Sample ID: 885-9209-47

Date Collected: 08/02/24 10:08

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 16:22
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 16:22
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 18:08
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 14:43

Client Sample ID: P2-B21

Lab Sample ID: 885-9209-48

Date Collected: 08/02/24 10:10

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 16:46
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 16:46
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 18:36
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 15:20

Client Sample ID: P2-B7

Lab Sample ID: 885-9209-49

Date Collected: 08/02/24 10:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 17:10
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 17:10
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 18:50

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9209-1

Client Sample ID: P2-B7

Lab Sample ID: 885-9209-49

Date Collected: 08/02/24 10:12

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 15:32

Client Sample ID: PS-17A

Lab Sample ID: 885-9209-50

Date Collected: 08/02/24 14:34

Matrix: Solid

Date Received: 08/06/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8015M/D		1	10169	JP	EET ALB	08/12/24 17:33
Total/NA	Prep	5030C			9812	AT	EET ALB	08/06/24 13:48
Total/NA	Analysis	8021B		1	10171	JP	EET ALB	08/12/24 17:33
Total/NA	Prep	SHAKE			9936	KR	EET ALB	08/08/24 10:20
Total/NA	Analysis	8015M/D		1	9966	KR	EET ALB	08/08/24 19:04
Total/NA	Prep	300_Prep			9985	EH	EET ALB	08/09/24 09:54
Total/NA	Analysis	300.0		20	10037	JT	EET ALB	08/09/24 16:09

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9209-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: AZ Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT

Project Name:
 Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez
 On Ice: Yes No

of Coolers: 2
 Cooler Temp (including CF): 0.4 - 0.1 = 0.5 -
 0.3 - 0.1 = 0.2 -

Container Type and #
 1x4oz Jar

Preservative Type
 ICE

HEAL No.
 13



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109
 Tel: 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX (8021) X
 TPH:8015D(GRO / DRO / MRO) X
 Chloride (EPA 300) X

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8/2/24	1020	SOIL	P2-W22 P2-W22	1x4oz Jar	ICE	13
	1022		P2-W23			14
	1024		P2-W24			15
	1030		P2-W25			16
	1032		P2-W26			17
	1034		P2-W27			18
	1040		P2-W28			19
	1044		P2-W29			20
	1046		P2-W30			21
	1100		P2-B18			22
	1110		P2-B16			23
	1112		P2-B53			24

Received by: *W. Kierdorf* Date: 8/6/24 Time: 800

Received by: *W. Kierdorf* Date: 8/6/24 Time: 800

Relinquished by: *W. Kierdorf* Date: 8/15/24 Time: 1900

Relinquished by: *W. Kierdorf* Date: 8/15/24 Time: 1900

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Date	Time	Matrix	Sample Name	Date	Time
8/2/24	1114	SOIL	P2-B54	8/5/24	800
	1120		P2-B55		
	1124		P2-B15		
	1126		P2-B43		
	1130		P2-B47		
	1136		P2-B52		
	1140		P2-B6		
	1310		P2-B5		
	1312		P5-41		
	1316		P5-42		
	1320		P5-43		
			P5-44		

Date: 8/5/24 Time: 800
 Date: 8/5/24 Time: 1910
 Relinquished by: [Signature]
 Relinquished by: [Signature]

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No voj
 # of Coolers: 2 0.4 - 0.1 - 0.3
 Cooler Temp (including CF): 0.5 - 0.1 - 0.2

Container Type and #	Preservative Type	HEAL No.
1x4oz Jar	ICE	25
		26
		27
		28
		29
		30
		31
		32
		33
		34
		35
		36

Received by: [Signature] Date: 8/5/24 Time: 800
 Received by: [Signature] Date: 8/5/24 Time: 7:50

HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request	
BTEX (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
Chloride (EPA 300)	X

Remarks: Bill to EOG Artesia



If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush **5 COV TAT**
 Project Name: **ROY SWD 3**
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: **J. Martinez**
 On Ice: Yes No **YOS**
 # of Coolers: **2** **0.4 - 0.1 = 0.3**
 Cooler Temp (including CF): **0.3 - 0.1 = 0.2**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8/27	1400	SOIL	P5-45	1x4oz Jar	ICE	37
	1402		P5-46			38
	1404		P5-47			39
	1408		P5-48			40
	1410		P5-49			41
	1420		P5-50			42
	1424		P5-51			43
	1430		P5-52			44
	1432		P5-53			45
	1002		P2-B 25			46
	1008		P2-B 33			47
	1010		P2-B 21			48

Received by: **Williams** Date: **8/24** Time: **800**
 Received by: **Williams** Date: **8/24** Time: **7:30**



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
Chloride (EPA 300)	X

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-9209-1

Login Number: 9209

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 8/23/2024 1:34:32 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-9933-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
8/23/2024 1:34:32 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-9933-1



Table of Contents

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9933-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-9933-1

Job ID: 885-9933-1

Eurofins Albuquerque

Job Narrative 885-9933-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/15/2024 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-10594 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples with low surrogate will be re-ran. The following samples are associated P2-B49 (885-9933-12), P2-B48 (885-9933-13), P2-B2 (885-9933-14), P2-B3 (885-9933-15), P2-B4 (885-9933-16), PS-55 (885-9933-17), PS-56 (885-9933-18), PS-57 (885-9933-19), PS-58 (885-9933-20), PS-59 (885-9933-21), (CCV 885-10594/26), (CCV 885-10594/38), (CCV 885-10594/48), (LCS 885-10566/2-A), (MB 885-10566/1-A), (885-10040-A-9-D) and (885-10040-A-9-E MS).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B20

Lab Sample ID: 885-9933-1

Date Collected: 08/13/24 13:20

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 17:13	08/17/24 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			08/15/24 17:13	08/17/24 00:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 17:13	08/17/24 00:16	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 17:13	08/17/24 00:16	1
Toluene	ND		0.046	mg/Kg		08/15/24 17:13	08/17/24 00:16	1
Xylenes, Total	ND		0.093	mg/Kg		08/15/24 17:13	08/17/24 00:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/15/24 17:13	08/17/24 00:16	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		9.4	mg/Kg		08/19/24 13:12	08/20/24 02:03	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 02:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			08/19/24 13:12	08/20/24 02:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		08/19/24 15:11	08/19/24 18:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B23

Lab Sample ID: 885-9933-2

Date Collected: 08/13/24 13:22

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 17:13	08/17/24 00:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/15/24 17:13	08/17/24 00:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/17/24 00:59	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 17:13	08/17/24 00:59	1
Toluene	ND		0.050	mg/Kg		08/15/24 17:13	08/17/24 00:59	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 17:13	08/17/24 00:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			08/15/24 17:13	08/17/24 00:59	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/19/24 13:12	08/20/24 02:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			08/19/24 13:12	08/20/24 02:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		08/19/24 15:11	08/19/24 18:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B32

Lab Sample ID: 885-9933-3

Date Collected: 08/13/24 13:24

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/17/24 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			08/15/24 17:13	08/17/24 01:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/17/24 01:21	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/17/24 01:21	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/17/24 01:21	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/24 17:13	08/17/24 01:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			08/15/24 17:13	08/17/24 01:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		08/19/24 13:12	08/20/24 02:52	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		08/19/24 13:12	08/20/24 02:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			08/19/24 13:12	08/20/24 02:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		60	mg/Kg		08/19/24 15:11	08/19/24 18:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B35

Lab Sample ID: 885-9933-4

Date Collected: 08/13/24 13:26

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 17:13	08/17/24 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			08/15/24 17:13	08/17/24 01:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 17:13	08/17/24 01:43	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 17:13	08/17/24 01:43	1
Toluene	ND		0.046	mg/Kg		08/15/24 17:13	08/17/24 01:43	1
Xylenes, Total	ND		0.092	mg/Kg		08/15/24 17:13	08/17/24 01:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			08/15/24 17:13	08/17/24 01:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/19/24 13:12	08/20/24 03:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 03:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			08/19/24 13:12	08/20/24 03:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		08/19/24 15:11	08/19/24 18:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B29

Lab Sample ID: 885-9933-5

Date Collected: 08/13/24 13:28

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/15/24 17:13	08/17/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			08/15/24 17:13	08/17/24 02:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 17:13	08/17/24 02:05	1
Ethylbenzene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 02:05	1
Toluene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 02:05	1
Xylenes, Total	ND		0.094	mg/Kg		08/15/24 17:13	08/17/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/15/24 17:13	08/17/24 02:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/19/24 13:12	08/20/24 03:41	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 03:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			08/19/24 13:12	08/20/24 03:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		08/19/24 15:11	08/19/24 18:51	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B37

Lab Sample ID: 885-9933-6

Date Collected: 08/13/24 13:30

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 17:13	08/17/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			08/15/24 17:13	08/17/24 02:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/17/24 02:26	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 17:13	08/17/24 02:26	1
Toluene	ND		0.049	mg/Kg		08/15/24 17:13	08/17/24 02:26	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 17:13	08/17/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 17:13	08/17/24 02:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/19/24 13:12	08/20/24 04:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 04:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			08/19/24 13:12	08/20/24 04:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		08/19/24 15:11	08/19/24 19:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B39

Lab Sample ID: 885-9933-7

Date Collected: 08/13/24 13:40

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/15/24 17:13	08/17/24 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			08/15/24 17:13	08/17/24 02:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/17/24 02:48	1
Ethylbenzene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 02:48	1
Toluene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 02:48	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/24 17:13	08/17/24 02:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/17/24 02:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/19/24 13:12	08/20/24 04:53	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			08/19/24 13:12	08/20/24 04:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	650		60	mg/Kg		08/19/24 15:11	08/19/24 20:05	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B40

Lab Sample ID: 885-9933-8

Date Collected: 08/13/24 13:42

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/15/24 17:13	08/17/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			08/15/24 17:13	08/17/24 03:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 17:13	08/17/24 03:10	1
Ethylbenzene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 03:10	1
Toluene	ND		0.047	mg/Kg		08/15/24 17:13	08/17/24 03:10	1
Xylenes, Total	ND		0.093	mg/Kg		08/15/24 17:13	08/17/24 03:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/15/24 17:13	08/17/24 03:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	170		9.9	mg/Kg		08/19/24 13:12	08/20/24 05:17	1
Motor Oil Range Organics [C28-C40]	210		49	mg/Kg		08/19/24 13:12	08/20/24 05:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/19/24 13:12	08/20/24 05:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		60	mg/Kg		08/19/24 15:11	08/19/24 20:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B44

Lab Sample ID: 885-9933-9

Date Collected: 08/13/24 13:44

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/17/24 03:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/15/24 17:13	08/17/24 03:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/17/24 03:31	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/17/24 03:31	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/17/24 03:31	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 17:13	08/17/24 03:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/17/24 03:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		08/19/24 13:12	08/20/24 06:05	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/19/24 13:12	08/20/24 06:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/19/24 13:12	08/20/24 06:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		08/19/24 15:11	08/19/24 20:30	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B45

Lab Sample ID: 885-9933-10

Date Collected: 08/13/24 13:46

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 17:13	08/17/24 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/15/24 17:13	08/17/24 03:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/17/24 03:53	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 17:13	08/17/24 03:53	1
Toluene	ND		0.050	mg/Kg		08/15/24 17:13	08/17/24 03:53	1
Xylenes, Total	ND		0.10	mg/Kg		08/15/24 17:13	08/17/24 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 17:13	08/17/24 03:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/19/24 13:12	08/20/24 06:29	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 06:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/19/24 13:12	08/20/24 06:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	560		60	mg/Kg		08/19/24 15:11	08/19/24 20:42	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B46

Lab Sample ID: 885-9933-11

Date Collected: 08/13/24 14:00

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 17:13	08/17/24 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			08/15/24 17:13	08/17/24 04:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/17/24 04:15	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 17:13	08/17/24 04:15	1
Toluene	ND		0.049	mg/Kg		08/15/24 17:13	08/17/24 04:15	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 17:13	08/17/24 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 17:13	08/17/24 04:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 06:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 06:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/19/24 13:12	08/20/24 06:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		60	mg/Kg		08/19/24 15:11	08/19/24 20:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B49

Lab Sample ID: 885-9933-12

Date Collected: 08/13/24 14:02

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/16/24 17:33	08/20/24 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			08/16/24 17:33	08/20/24 00:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/20/24 00:06	1
Ethylbenzene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 00:06	1
Toluene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 00:06	1
Xylenes, Total	ND		0.099	mg/Kg		08/16/24 17:33	08/20/24 00:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/16/24 17:33	08/20/24 00:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/20/24 08:28	08/20/24 19:58	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/20/24 08:28	08/20/24 19:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	65		62 - 134			08/20/24 08:28	08/20/24 19:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		08/20/24 09:45	08/20/24 11:48	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B48

Lab Sample ID: 885-9933-13

Date Collected: 08/13/24 14:04

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/16/24 17:33	08/20/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/16/24 17:33	08/20/24 01:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/20/24 01:12	1
Ethylbenzene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 01:12	1
Toluene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 01:12	1
Xylenes, Total	ND		0.10	mg/Kg		08/16/24 17:33	08/20/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/16/24 17:33	08/20/24 01:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/20/24 08:28	08/20/24 20:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/20/24 08:28	08/20/24 20:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			08/20/24 08:28	08/20/24 20:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		60	mg/Kg		08/20/24 09:45	08/20/24 12:34	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B2

Lab Sample ID: 885-9933-14

Date Collected: 08/13/24 14:06

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/16/24 17:33	08/20/24 02:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/16/24 17:33	08/20/24 02:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/16/24 17:33	08/20/24 02:17	1
Ethylbenzene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 02:17	1
Toluene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 02:17	1
Xylenes, Total	ND		0.095	mg/Kg		08/16/24 17:33	08/20/24 02:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/16/24 17:33	08/20/24 02:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/20/24 08:28	08/20/24 20:25	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/20/24 08:28	08/20/24 20:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			08/20/24 08:28	08/20/24 20:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		60	mg/Kg		08/20/24 09:45	08/20/24 12:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B3

Lab Sample ID: 885-9933-15

Date Collected: 08/13/24 14:08

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/16/24 17:33	08/20/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			08/16/24 17:33	08/20/24 02:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/20/24 02:39	1
Ethylbenzene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 02:39	1
Toluene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 02:39	1
Xylenes, Total	ND		0.098	mg/Kg		08/16/24 17:33	08/20/24 02:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/16/24 17:33	08/20/24 02:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/20/24 08:28	08/20/24 20:39	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/20/24 08:28	08/20/24 20:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			08/20/24 08:28	08/20/24 20:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		08/20/24 09:45	08/20/24 13:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B4

Lab Sample ID: 885-9933-16

Date Collected: 08/13/24 14:10

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/16/24 17:33	08/20/24 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			08/16/24 17:33	08/20/24 03:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/20/24 03:00	1
Ethylbenzene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 03:00	1
Toluene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 03:00	1
Xylenes, Total	ND		0.098	mg/Kg		08/16/24 17:33	08/20/24 03:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/16/24 17:33	08/20/24 03:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/20/24 08:28	08/20/24 20:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/20/24 08:28	08/20/24 20:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			08/20/24 08:28	08/20/24 20:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		08/20/24 09:45	08/20/24 13:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-55

Lab Sample ID: 885-9933-17

Date Collected: 08/13/24 14:20

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/16/24 17:33	08/20/24 03:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			08/16/24 17:33	08/20/24 03:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/16/24 17:33	08/20/24 03:22	1
Ethylbenzene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 03:22	1
Toluene	ND		0.049	mg/Kg		08/16/24 17:33	08/20/24 03:22	1
Xylenes, Total	ND		0.097	mg/Kg		08/16/24 17:33	08/20/24 03:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/16/24 17:33	08/20/24 03:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/20/24 08:28	08/20/24 21:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/20/24 08:28	08/20/24 21:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	65		62 - 134			08/20/24 08:28	08/20/24 21:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		08/20/24 09:45	08/20/24 14:05	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-56

Lab Sample ID: 885-9933-18

Date Collected: 08/13/24 14:24

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/16/24 17:33	08/20/24 03:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/16/24 17:33	08/20/24 03:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/16/24 17:33	08/20/24 03:44	1
Ethylbenzene	ND		0.047	mg/Kg		08/16/24 17:33	08/20/24 03:44	1
Toluene	ND		0.047	mg/Kg		08/16/24 17:33	08/20/24 03:44	1
Xylenes, Total	ND		0.094	mg/Kg		08/16/24 17:33	08/20/24 03:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			08/16/24 17:33	08/20/24 03:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/20/24 08:28	08/20/24 21:34	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/20/24 08:28	08/20/24 21:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	63		62 - 134			08/20/24 08:28	08/20/24 21:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		08/20/24 09:45	08/20/24 14:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-57

Lab Sample ID: 885-9933-19

Date Collected: 08/13/24 14:26

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/16/24 17:33	08/20/24 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/16/24 17:33	08/20/24 04:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/16/24 17:33	08/20/24 04:06	1
Ethylbenzene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 04:06	1
Toluene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 04:06	1
Xylenes, Total	ND		0.096	mg/Kg		08/16/24 17:33	08/20/24 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/16/24 17:33	08/20/24 04:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/20/24 08:28	08/20/24 21:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/20/24 08:28	08/20/24 21:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			08/20/24 08:28	08/20/24 21:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		08/20/24 09:45	08/20/24 14:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-58

Lab Sample ID: 885-9933-20

Date Collected: 08/13/24 14:30

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/16/24 17:33	08/20/24 04:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		35 - 166			08/16/24 17:33	08/20/24 04:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/20/24 04:28	1
Ethylbenzene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 04:28	1
Toluene	ND		0.050	mg/Kg		08/16/24 17:33	08/20/24 04:28	1
Xylenes, Total	ND		0.10	mg/Kg		08/16/24 17:33	08/20/24 04:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/16/24 17:33	08/20/24 04:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/20/24 08:28	08/20/24 22:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/20/24 08:28	08/20/24 22:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			08/20/24 08:28	08/20/24 22:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		08/20/24 09:45	08/20/24 14:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-59

Lab Sample ID: 885-9933-21

Date Collected: 08/13/24 14:32

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/16/24 17:33	08/20/24 04:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166			08/16/24 17:33	08/20/24 04:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/16/24 17:33	08/20/24 04:49	1
Ethylbenzene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 04:49	1
Toluene	ND		0.048	mg/Kg		08/16/24 17:33	08/20/24 04:49	1
Xylenes, Total	ND		0.097	mg/Kg		08/16/24 17:33	08/20/24 04:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/16/24 17:33	08/20/24 04:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/20/24 08:28	08/20/24 22:15	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/20/24 08:28	08/20/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			08/20/24 08:28	08/20/24 22:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	690		60	mg/Kg		08/20/24 09:45	08/20/24 15:36	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10378/1-A
Matrix: Solid
Analysis Batch: 10519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10378

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			08/15/24 17:13	08/16/24 19:10	1

Lab Sample ID: LCS 885-10378/2-A
Matrix: Solid
Analysis Batch: 10519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10378

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	28.4		mg/Kg		114	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	224		35 - 166				

Lab Sample ID: MB 885-10456/1-A
Matrix: Solid
Analysis Batch: 10586

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10456

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/16/24 17:33	08/19/24 23:45	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			08/16/24 17:33	08/19/24 23:45	1

Lab Sample ID: LCS 885-10456/2-A
Matrix: Solid
Analysis Batch: 10586

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10456

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.9		mg/Kg		104	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	223		35 - 166				

Lab Sample ID: 885-9933-12 MS
Matrix: Solid
Analysis Batch: 10586

Client Sample ID: P2-B49
Prep Type: Total/NA
Prep Batch: 10456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	25.3		mg/Kg		101	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-9933-12 MS
 Matrix: Solid
 Analysis Batch: 10586

Client Sample ID: P2-B49
 Prep Type: Total/NA
 Prep Batch: 10456

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	214		35 - 166

Lab Sample ID: 885-9933-12 MSD
 Matrix: Solid
 Analysis Batch: 10586

Client Sample ID: P2-B49
 Prep Type: Total/NA
 Prep Batch: 10456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	27.0		mg/Kg		108	70 - 130	7	20	

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	222		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-10378/1-A
 Matrix: Solid
 Analysis Batch: 10522

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Toluene	ND		0.050	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Xylenes, Total	ND		0.10	mg/Kg		08/15/24 17:13	08/16/24 19:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145	08/15/24 17:13	08/16/24 19:10	1

Lab Sample ID: LCS 885-10378/3-A
 Matrix: Solid
 Analysis Batch: 10522

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Benzene	1.00	1.04		mg/Kg		104	70 - 130	
Ethylbenzene	1.00	1.04		mg/Kg		104	70 - 130	
Toluene	1.00	1.05		mg/Kg		105	70 - 130	
m&p-Xylene	2.00	2.08		mg/Kg		104	70 - 130	
o-Xylene	1.00	1.05		mg/Kg		105	70 - 130	

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		48 - 145

Lab Sample ID: MB 885-10456/1-A
 Matrix: Solid
 Analysis Batch: 10588

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10456

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/16/24 17:33	08/19/24 23:45	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-10456/1-A
Matrix: Solid
Analysis Batch: 10588

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10456

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Ethylbenzene	ND		0.050	mg/Kg		08/16/24 17:33	08/19/24 23:45	1
Toluene	ND		0.050	mg/Kg		08/16/24 17:33	08/19/24 23:45	1
Xylenes, Total	ND		0.10	mg/Kg		08/16/24 17:33	08/19/24 23:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		48 - 145	08/16/24 17:33	08/19/24 23:45	1

Lab Sample ID: LCS 885-10456/3-A
Matrix: Solid
Analysis Batch: 10588

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10456

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.05		mg/Kg		105	70 - 130
Ethylbenzene	1.00	1.05		mg/Kg		105	70 - 130
Toluene	1.00	1.04		mg/Kg		104	70 - 130
m&p-Xylene	2.00	2.07		mg/Kg		103	70 - 130
o-Xylene	1.00	1.03		mg/Kg		103	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: 885-9933-13 MS
Matrix: Solid
Analysis Batch: 10588

Client Sample ID: P2-B48
Prep Type: Total/NA
Prep Batch: 10456

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	ND		1.00	1.04		mg/Kg		104	70 - 130
Ethylbenzene	ND		1.00	1.03		mg/Kg		103	70 - 130
Toluene	ND		1.00	1.04		mg/Kg		104	70 - 130
m&p-Xylene	ND		2.00	2.04		mg/Kg		102	70 - 130
o-Xylene	ND		1.00	1.02		mg/Kg		102	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: 885-9933-13 MSD
Matrix: Solid
Analysis Batch: 10588

Client Sample ID: P2-B48
Prep Type: Total/NA
Prep Batch: 10456

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Benzene	ND		0.998	1.07		mg/Kg		107	70 - 130	2	20
Ethylbenzene	ND		0.998	1.07		mg/Kg		107	70 - 130	3	20
Toluene	ND		0.998	1.07		mg/Kg		108	70 - 130	3	20
m&p-Xylene	ND		2.00	2.11		mg/Kg		106	70 - 130	3	20
o-Xylene	ND		0.998	1.06		mg/Kg		106	70 - 130	4	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-9933-13 MSD
 Matrix: Solid
 Analysis Batch: 10588

Client Sample ID: P2-B48
 Prep Type: Total/NA
 Prep Batch: 10456

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-10517/1-A
 Matrix: Solid
 Analysis Batch: 10540

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10517

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 01:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 01:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134	08/19/24 13:12	08/20/24 01:14	1

Lab Sample ID: LCS 885-10517/2-A
 Matrix: Solid
 Analysis Batch: 10540

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10517

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	55.0		mg/Kg		110	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	92		62 - 134

Lab Sample ID: MB 885-10566/1-A
 Matrix: Solid
 Analysis Batch: 10594

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10566

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/20/24 08:28	08/20/24 19:31	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/20/24 08:28	08/20/24 19:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134	08/20/24 08:28	08/20/24 19:31	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10524/1-A
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10524

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/19/24 14:23	08/19/24 17:37	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-10524/2-A
Matrix: Solid
Analysis Batch: 10575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	27.9		mg/Kg		93	90 - 110

Lab Sample ID: 885-9933-6 MS
Matrix: Solid
Analysis Batch: 10575

Client Sample ID: P2-B37
Prep Type: Total/NA
Prep Batch: 10524

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1100		30.1	1130	4	mg/Kg		96	50 - 150

Lab Sample ID: 885-9933-6 MSD
Matrix: Solid
Analysis Batch: 10575

Client Sample ID: P2-B37
Prep Type: Total/NA
Prep Batch: 10524

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1100		29.8	1180	4	mg/Kg		261	50 - 150	4	20

Lab Sample ID: MB 885-10583/1-A
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10583

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/20/24 09:45	08/20/24 10:51	1

Lab Sample ID: LCS 885-10583/2-A
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10583

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.8		mg/Kg		99	90 - 110

Lab Sample ID: 885-9933-12 MS
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: P2-B49
Prep Type: Total/NA
Prep Batch: 10583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	150		30.2	212	4	mg/Kg		196	50 - 150

Lab Sample ID: 885-9933-12 MSD
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: P2-B49
Prep Type: Total/NA
Prep Batch: 10583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	150		29.9	193	4	mg/Kg		134	50 - 150	9	20

Lab Sample ID: 885-9933-20 MS
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: PS-58
Prep Type: Total/NA
Prep Batch: 10583

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1100		29.9	1130	4	mg/Kg		69	50 - 150

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9933-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-9933-20 MSD
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: PS-58
Prep Type: Total/NA
Prep Batch: 10583

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1100		30.1	1110	4	mg/Kg		0.1	50 - 150	2	20

- 1
- 2
- 3
- 4
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- 6
- 7
- 8
- 9
- 10
- 11

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

GC VOA

Prep Batch: 10378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	5030C	
885-9933-2	P2-B23	Total/NA	Solid	5030C	
885-9933-3	P2-B32	Total/NA	Solid	5030C	
885-9933-4	P2-B35	Total/NA	Solid	5030C	
885-9933-5	P2-B29	Total/NA	Solid	5030C	
885-9933-6	P2-B37	Total/NA	Solid	5030C	
885-9933-7	P2-B39	Total/NA	Solid	5030C	
885-9933-8	P2-B40	Total/NA	Solid	5030C	
885-9933-9	P2-B44	Total/NA	Solid	5030C	
885-9933-10	P2-B45	Total/NA	Solid	5030C	
885-9933-11	P2-B46	Total/NA	Solid	5030C	
MB 885-10378/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-10378/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-10378/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 10456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	5030C	
885-9933-13	P2-B48	Total/NA	Solid	5030C	
885-9933-14	P2-B2	Total/NA	Solid	5030C	
885-9933-15	P2-B3	Total/NA	Solid	5030C	
885-9933-16	P2-B4	Total/NA	Solid	5030C	
885-9933-17	PS-55	Total/NA	Solid	5030C	
885-9933-18	PS-56	Total/NA	Solid	5030C	
885-9933-19	PS-57	Total/NA	Solid	5030C	
885-9933-20	PS-58	Total/NA	Solid	5030C	
885-9933-21	PS-59	Total/NA	Solid	5030C	
MB 885-10456/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-10456/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-10456/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9933-12 MS	P2-B49	Total/NA	Solid	5030C	
885-9933-12 MSD	P2-B49	Total/NA	Solid	5030C	
885-9933-13 MS	P2-B48	Total/NA	Solid	5030C	
885-9933-13 MSD	P2-B48	Total/NA	Solid	5030C	

Analysis Batch: 10519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	8015M/D	10378
885-9933-2	P2-B23	Total/NA	Solid	8015M/D	10378
885-9933-3	P2-B32	Total/NA	Solid	8015M/D	10378
885-9933-4	P2-B35	Total/NA	Solid	8015M/D	10378
885-9933-5	P2-B29	Total/NA	Solid	8015M/D	10378
885-9933-6	P2-B37	Total/NA	Solid	8015M/D	10378
885-9933-7	P2-B39	Total/NA	Solid	8015M/D	10378
885-9933-8	P2-B40	Total/NA	Solid	8015M/D	10378
885-9933-9	P2-B44	Total/NA	Solid	8015M/D	10378
885-9933-10	P2-B45	Total/NA	Solid	8015M/D	10378
885-9933-11	P2-B46	Total/NA	Solid	8015M/D	10378
MB 885-10378/1-A	Method Blank	Total/NA	Solid	8015M/D	10378
LCS 885-10378/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10378

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9933-1

GC VOA

Analysis Batch: 10522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	8021B	10378
885-9933-2	P2-B23	Total/NA	Solid	8021B	10378
885-9933-3	P2-B32	Total/NA	Solid	8021B	10378
885-9933-4	P2-B35	Total/NA	Solid	8021B	10378
885-9933-5	P2-B29	Total/NA	Solid	8021B	10378
885-9933-6	P2-B37	Total/NA	Solid	8021B	10378
885-9933-7	P2-B39	Total/NA	Solid	8021B	10378
885-9933-8	P2-B40	Total/NA	Solid	8021B	10378
885-9933-9	P2-B44	Total/NA	Solid	8021B	10378
885-9933-10	P2-B45	Total/NA	Solid	8021B	10378
885-9933-11	P2-B46	Total/NA	Solid	8021B	10378
MB 885-10378/1-A	Method Blank	Total/NA	Solid	8021B	10378
LCS 885-10378/3-A	Lab Control Sample	Total/NA	Solid	8021B	10378

Analysis Batch: 10586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	8015M/D	10456
885-9933-13	P2-B48	Total/NA	Solid	8015M/D	10456
885-9933-14	P2-B2	Total/NA	Solid	8015M/D	10456
885-9933-15	P2-B3	Total/NA	Solid	8015M/D	10456
885-9933-16	P2-B4	Total/NA	Solid	8015M/D	10456
885-9933-17	PS-55	Total/NA	Solid	8015M/D	10456
885-9933-18	PS-56	Total/NA	Solid	8015M/D	10456
885-9933-19	PS-57	Total/NA	Solid	8015M/D	10456
885-9933-20	PS-58	Total/NA	Solid	8015M/D	10456
885-9933-21	PS-59	Total/NA	Solid	8015M/D	10456
MB 885-10456/1-A	Method Blank	Total/NA	Solid	8015M/D	10456
LCS 885-10456/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10456
885-9933-12 MS	P2-B49	Total/NA	Solid	8015M/D	10456
885-9933-12 MSD	P2-B49	Total/NA	Solid	8015M/D	10456

Analysis Batch: 10588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	8021B	10456
885-9933-13	P2-B48	Total/NA	Solid	8021B	10456
885-9933-14	P2-B2	Total/NA	Solid	8021B	10456
885-9933-15	P2-B3	Total/NA	Solid	8021B	10456
885-9933-16	P2-B4	Total/NA	Solid	8021B	10456
885-9933-17	PS-55	Total/NA	Solid	8021B	10456
885-9933-18	PS-56	Total/NA	Solid	8021B	10456
885-9933-19	PS-57	Total/NA	Solid	8021B	10456
885-9933-20	PS-58	Total/NA	Solid	8021B	10456
885-9933-21	PS-59	Total/NA	Solid	8021B	10456
MB 885-10456/1-A	Method Blank	Total/NA	Solid	8021B	10456
LCS 885-10456/3-A	Lab Control Sample	Total/NA	Solid	8021B	10456
885-9933-13 MS	P2-B48	Total/NA	Solid	8021B	10456
885-9933-13 MSD	P2-B48	Total/NA	Solid	8021B	10456

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

GC Semi VOA

Prep Batch: 10517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	SHAKE	
885-9933-2	P2-B23	Total/NA	Solid	SHAKE	
885-9933-3	P2-B32	Total/NA	Solid	SHAKE	
885-9933-4	P2-B35	Total/NA	Solid	SHAKE	
885-9933-5	P2-B29	Total/NA	Solid	SHAKE	
885-9933-6	P2-B37	Total/NA	Solid	SHAKE	
885-9933-7	P2-B39	Total/NA	Solid	SHAKE	
885-9933-8	P2-B40	Total/NA	Solid	SHAKE	
885-9933-9	P2-B44	Total/NA	Solid	SHAKE	
885-9933-10	P2-B45	Total/NA	Solid	SHAKE	
885-9933-11	P2-B46	Total/NA	Solid	SHAKE	
MB 885-10517/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10517/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 10540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	8015M/D	10517
885-9933-2	P2-B23	Total/NA	Solid	8015M/D	10517
885-9933-3	P2-B32	Total/NA	Solid	8015M/D	10517
885-9933-4	P2-B35	Total/NA	Solid	8015M/D	10517
885-9933-5	P2-B29	Total/NA	Solid	8015M/D	10517
885-9933-6	P2-B37	Total/NA	Solid	8015M/D	10517
885-9933-7	P2-B39	Total/NA	Solid	8015M/D	10517
885-9933-8	P2-B40	Total/NA	Solid	8015M/D	10517
885-9933-9	P2-B44	Total/NA	Solid	8015M/D	10517
885-9933-10	P2-B45	Total/NA	Solid	8015M/D	10517
885-9933-11	P2-B46	Total/NA	Solid	8015M/D	10517
MB 885-10517/1-A	Method Blank	Total/NA	Solid	8015M/D	10517
LCS 885-10517/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10517

Prep Batch: 10566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	SHAKE	
885-9933-13	P2-B48	Total/NA	Solid	SHAKE	
885-9933-14	P2-B2	Total/NA	Solid	SHAKE	
885-9933-15	P2-B3	Total/NA	Solid	SHAKE	
885-9933-16	P2-B4	Total/NA	Solid	SHAKE	
885-9933-17	PS-55	Total/NA	Solid	SHAKE	
885-9933-18	PS-56	Total/NA	Solid	SHAKE	
885-9933-19	PS-57	Total/NA	Solid	SHAKE	
885-9933-20	PS-58	Total/NA	Solid	SHAKE	
885-9933-21	PS-59	Total/NA	Solid	SHAKE	
MB 885-10566/1-A	Method Blank	Total/NA	Solid	SHAKE	

Analysis Batch: 10594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	8015M/D	10566
885-9933-13	P2-B48	Total/NA	Solid	8015M/D	10566
885-9933-14	P2-B2	Total/NA	Solid	8015M/D	10566
885-9933-15	P2-B3	Total/NA	Solid	8015M/D	10566
885-9933-16	P2-B4	Total/NA	Solid	8015M/D	10566

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

GC Semi VOA (Continued)

Analysis Batch: 10594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-17	PS-55	Total/NA	Solid	8015M/D	10566
885-9933-18	PS-56	Total/NA	Solid	8015M/D	10566
885-9933-19	PS-57	Total/NA	Solid	8015M/D	10566
885-9933-20	PS-58	Total/NA	Solid	8015M/D	10566
885-9933-21	PS-59	Total/NA	Solid	8015M/D	10566
MB 885-10566/1-A	Method Blank	Total/NA	Solid	8015M/D	10566

HPLC/IC

Prep Batch: 10524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	300_Prep	
885-9933-2	P2-B23	Total/NA	Solid	300_Prep	
885-9933-3	P2-B32	Total/NA	Solid	300_Prep	
885-9933-4	P2-B35	Total/NA	Solid	300_Prep	
885-9933-5	P2-B29	Total/NA	Solid	300_Prep	
885-9933-6	P2-B37	Total/NA	Solid	300_Prep	
885-9933-7	P2-B39	Total/NA	Solid	300_Prep	
885-9933-8	P2-B40	Total/NA	Solid	300_Prep	
885-9933-9	P2-B44	Total/NA	Solid	300_Prep	
885-9933-10	P2-B45	Total/NA	Solid	300_Prep	
885-9933-11	P2-B46	Total/NA	Solid	300_Prep	
MB 885-10524/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-10524/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9933-6 MS	P2-B37	Total/NA	Solid	300_Prep	
885-9933-6 MSD	P2-B37	Total/NA	Solid	300_Prep	

Analysis Batch: 10575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-1	P2-B20	Total/NA	Solid	300.0	10524
885-9933-2	P2-B23	Total/NA	Solid	300.0	10524
885-9933-3	P2-B32	Total/NA	Solid	300.0	10524
885-9933-4	P2-B35	Total/NA	Solid	300.0	10524
885-9933-5	P2-B29	Total/NA	Solid	300.0	10524
885-9933-6	P2-B37	Total/NA	Solid	300.0	10524
885-9933-7	P2-B39	Total/NA	Solid	300.0	10524
885-9933-8	P2-B40	Total/NA	Solid	300.0	10524
885-9933-9	P2-B44	Total/NA	Solid	300.0	10524
885-9933-10	P2-B45	Total/NA	Solid	300.0	10524
885-9933-11	P2-B46	Total/NA	Solid	300.0	10524
MB 885-10524/1-A	Method Blank	Total/NA	Solid	300.0	10524
LCS 885-10524/2-A	Lab Control Sample	Total/NA	Solid	300.0	10524
885-9933-6 MS	P2-B37	Total/NA	Solid	300.0	10524
885-9933-6 MSD	P2-B37	Total/NA	Solid	300.0	10524

Prep Batch: 10583

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	300_Prep	
885-9933-13	P2-B48	Total/NA	Solid	300_Prep	
885-9933-14	P2-B2	Total/NA	Solid	300_Prep	
885-9933-15	P2-B3	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

HPLC/IC (Continued)

Prep Batch: 10583 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-16	P2-B4	Total/NA	Solid	300_Prep	
885-9933-17	PS-55	Total/NA	Solid	300_Prep	
885-9933-18	PS-56	Total/NA	Solid	300_Prep	
885-9933-19	PS-57	Total/NA	Solid	300_Prep	
885-9933-20	PS-58	Total/NA	Solid	300_Prep	
885-9933-21	PS-59	Total/NA	Solid	300_Prep	
MB 885-10583/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-10583/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9933-12 MS	P2-B49	Total/NA	Solid	300_Prep	
885-9933-12 MSD	P2-B49	Total/NA	Solid	300_Prep	
885-9933-20 MS	PS-58	Total/NA	Solid	300_Prep	
885-9933-20 MSD	PS-58	Total/NA	Solid	300_Prep	

Analysis Batch: 10616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9933-12	P2-B49	Total/NA	Solid	300.0	10583
885-9933-13	P2-B48	Total/NA	Solid	300.0	10583
885-9933-14	P2-B2	Total/NA	Solid	300.0	10583
885-9933-15	P2-B3	Total/NA	Solid	300.0	10583
885-9933-16	P2-B4	Total/NA	Solid	300.0	10583
885-9933-17	PS-55	Total/NA	Solid	300.0	10583
885-9933-18	PS-56	Total/NA	Solid	300.0	10583
885-9933-19	PS-57	Total/NA	Solid	300.0	10583
885-9933-20	PS-58	Total/NA	Solid	300.0	10583
885-9933-21	PS-59	Total/NA	Solid	300.0	10583
MB 885-10583/1-A	Method Blank	Total/NA	Solid	300.0	10583
LCS 885-10583/2-A	Lab Control Sample	Total/NA	Solid	300.0	10583
885-9933-12 MS	P2-B49	Total/NA	Solid	300.0	10583
885-9933-12 MSD	P2-B49	Total/NA	Solid	300.0	10583
885-9933-20 MS	PS-58	Total/NA	Solid	300.0	10583
885-9933-20 MSD	PS-58	Total/NA	Solid	300.0	10583

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B20

Lab Sample ID: 885-9933-1

Date Collected: 08/13/24 13:20

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 00:16
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 00:16
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 02:03
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 18:02

Client Sample ID: P2-B23

Lab Sample ID: 885-9933-2

Date Collected: 08/13/24 13:22

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 00:59
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 00:59
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 02:28
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 18:14

Client Sample ID: P2-B32

Lab Sample ID: 885-9933-3

Date Collected: 08/13/24 13:24

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 01:21
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 01:21
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 02:52
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 18:26

Client Sample ID: P2-B35

Lab Sample ID: 885-9933-4

Date Collected: 08/13/24 13:26

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 01:43

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B35

Lab Sample ID: 885-9933-4

Date Collected: 08/13/24 13:26

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 01:43
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 03:17
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 18:39

Client Sample ID: P2-B29

Lab Sample ID: 885-9933-5

Date Collected: 08/13/24 13:28

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 02:05
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 02:05
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 03:41
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 18:51

Client Sample ID: P2-B37

Lab Sample ID: 885-9933-6

Date Collected: 08/13/24 13:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 02:26
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 02:26
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 04:29
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 19:03

Client Sample ID: P2-B39

Lab Sample ID: 885-9933-7

Date Collected: 08/13/24 13:40

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 02:48
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 02:48

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B39

Lab Sample ID: 885-9933-7

Date Collected: 08/13/24 13:40

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 04:53
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 20:05

Client Sample ID: P2-B40

Lab Sample ID: 885-9933-8

Date Collected: 08/13/24 13:42

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 03:10
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 03:10
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 05:17
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 20:17

Client Sample ID: P2-B44

Lab Sample ID: 885-9933-9

Date Collected: 08/13/24 13:44

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 03:31
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 03:31
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 06:05
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 20:30

Client Sample ID: P2-B45

Lab Sample ID: 885-9933-10

Date Collected: 08/13/24 13:46

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 03:53
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 03:53
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 06:29

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B45

Lab Sample ID: 885-9933-10

Date Collected: 08/13/24 13:46

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 20:42

Client Sample ID: P2-B46

Lab Sample ID: 885-9933-11

Date Collected: 08/13/24 14:00

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/17/24 04:15
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/17/24 04:15
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 06:53
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 20:54

Client Sample ID: P2-B49

Lab Sample ID: 885-9933-12

Date Collected: 08/13/24 14:02

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 00:06
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 00:06
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 19:58
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 11:48

Client Sample ID: P2-B48

Lab Sample ID: 885-9933-13

Date Collected: 08/13/24 14:04

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 01:12
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 01:12
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 20:12
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 12:34

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: P2-B2

Lab Sample ID: 885-9933-14

Date Collected: 08/13/24 14:06

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 02:17
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 02:17
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 20:25
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 12:49

Client Sample ID: P2-B3

Lab Sample ID: 885-9933-15

Date Collected: 08/13/24 14:08

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 02:39
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 02:39
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 20:39
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 13:04

Client Sample ID: P2-B4

Lab Sample ID: 885-9933-16

Date Collected: 08/13/24 14:10

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 03:00
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 03:00
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 20:53
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 13:50

Client Sample ID: PS-55

Lab Sample ID: 885-9933-17

Date Collected: 08/13/24 14:20

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 03:22

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-55

Lab Sample ID: 885-9933-17

Date Collected: 08/13/24 14:20

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 03:22
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 21:06
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 14:05

Client Sample ID: PS-56

Lab Sample ID: 885-9933-18

Date Collected: 08/13/24 14:24

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 03:44
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 03:44
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 21:34
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 14:20

Client Sample ID: PS-57

Lab Sample ID: 885-9933-19

Date Collected: 08/13/24 14:26

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 04:06
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 04:06
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 21:47
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 14:35

Client Sample ID: PS-58

Lab Sample ID: 885-9933-20

Date Collected: 08/13/24 14:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 04:28
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 04:28

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9933-1

Client Sample ID: PS-58

Lab Sample ID: 885-9933-20

Date Collected: 08/13/24 14:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 22:01
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 14:50

Client Sample ID: PS-59

Lab Sample ID: 885-9933-21

Date Collected: 08/13/24 14:32

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8015M/D		1	10586	AT	EET ALB	08/20/24 04:49
Total/NA	Prep	5030C			10456	AT	EET ALB	08/16/24 17:33
Total/NA	Analysis	8021B		1	10588	AT	EET ALB	08/20/24 04:49
Total/NA	Prep	SHAKE			10566	KR	EET ALB	08/20/24 08:28
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 22:15
Total/NA	Prep	300_Prep			10583	EH	EET ALB	08/20/24 09:45
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 15:36

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9933-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT

Project Name:
Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martine 2

On Ice: Yes No

of Coolers: MOJO

Cooler Temp (including CP): 0.440.3 - 0.7°C

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8/19/24	1320	SOIL	P2-B20	1x4oz Jar	ICE	1
	1322		P2-B23			2
	1324		P2-B32			3
	1324		P2-B35			4
	1328		P2-B29			5
	1330		P2-B37			6
	1340		P2-B39			7
	1342		P2-B40			8
	1344		P2-B44			9
	1346		P2-B45			10
	1406		P2-B46			11
	1402		P2-B49			12

Analysis Request

BTEX (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
Chloride (EPA 300)	X

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107
 885-9933 COC



Remarks: Bill to EOG Artesia

Received by: [Signature] Date: 8/19/24 Time: 830
 Received by: SCM Date: 6/15/24 Time: 0750
 Via: COURIER

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-9933-1

Login Number: 9933

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 9/12/2024 3:32:59 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-10998-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
9/12/2024 3:32:59 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-10998-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-10998-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-10998-1

Job ID: 885-10998-1

Eurofins Albuquerque

Job Narrative 885-10998-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/31/2024 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: Surrogate recovery for the following CCV(s) is outside the lower control limit: (CCV 885-11566/52) and (CCV 885-11566/56). All samples with low surrogate must be re-ran. No samples affected.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-46A

Lab Sample ID: 885-10998-1

Date Collected: 08/29/24 11:40

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 11:24	09/05/24 05:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/03/24 11:24	09/05/24 05:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 11:24	09/05/24 05:28	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 11:24	09/05/24 05:28	1
Toluene	ND		0.047	mg/Kg		09/03/24 11:24	09/05/24 05:28	1
Xylenes, Total	ND		0.094	mg/Kg		09/03/24 11:24	09/05/24 05:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 11:24	09/05/24 05:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/03/24 15:02	09/04/24 11:31	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/03/24 15:02	09/04/24 11:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/03/24 15:02	09/04/24 11:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/04/24 11:40	09/05/24 00:33	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-48A

Lab Sample ID: 885-10998-2

Date Collected: 08/29/24 11:42

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 11:24	09/05/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/03/24 11:24	09/05/24 05:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 11:24	09/05/24 05:49	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 05:49	1
Toluene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 05:49	1
Xylenes, Total	ND		0.096	mg/Kg		09/03/24 11:24	09/05/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 11:24	09/05/24 05:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/03/24 15:02	09/04/24 11:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/03/24 15:02	09/04/24 11:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/03/24 15:02	09/04/24 11:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		09/04/24 11:40	09/05/24 00:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-49A

Lab Sample ID: 885-10998-3

Date Collected: 08/29/24 11:46

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 11:24	09/05/24 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/03/24 11:24	09/05/24 06:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 11:24	09/05/24 06:11	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 06:11	1
Toluene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 06:11	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 11:24	09/05/24 06:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 11:24	09/05/24 06:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/03/24 15:02	09/04/24 11:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/03/24 15:02	09/04/24 11:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/03/24 15:02	09/04/24 11:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		60	mg/Kg		09/04/24 12:51	09/04/24 17:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-50A

Lab Sample ID: 885-10998-4

Date Collected: 08/29/24 11:50

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 11:24	09/05/24 06:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/03/24 11:24	09/05/24 06:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 11:24	09/05/24 06:33	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 06:33	1
Toluene	ND		0.048	mg/Kg		09/03/24 11:24	09/05/24 06:33	1
Xylenes, Total	ND		0.097	mg/Kg		09/03/24 11:24	09/05/24 06:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 11:24	09/05/24 06:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/03/24 15:02	09/04/24 12:03	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/03/24 15:02	09/04/24 12:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/03/24 15:02	09/04/24 12:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		60	mg/Kg		09/04/24 12:51	09/04/24 17:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-54A

Lab Sample ID: 885-10998-5

Date Collected: 08/29/24 11:54

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/03/24 11:24	09/05/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/03/24 11:24	09/05/24 06:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 11:24	09/05/24 06:55	1
Ethylbenzene	ND		0.049	mg/Kg		09/03/24 11:24	09/05/24 06:55	1
Toluene	ND		0.049	mg/Kg		09/03/24 11:24	09/05/24 06:55	1
Xylenes, Total	ND		0.098	mg/Kg		09/03/24 11:24	09/05/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 11:24	09/05/24 06:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/03/24 15:02	09/04/24 12:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/03/24 15:02	09/04/24 12:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/03/24 15:02	09/04/24 12:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		60	mg/Kg		09/04/24 12:51	09/04/24 17:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-55A

Lab Sample ID: 885-10998-6

Date Collected: 08/29/24 12:00

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 11:24	09/05/24 07:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/03/24 11:24	09/05/24 07:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 11:24	09/05/24 07:17	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 11:24	09/05/24 07:17	1
Toluene	ND		0.050	mg/Kg		09/03/24 11:24	09/05/24 07:17	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 11:24	09/05/24 07:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 11:24	09/05/24 07:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		9.8	mg/Kg		09/03/24 15:02	09/04/24 12:25	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/03/24 15:02	09/04/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			09/03/24 15:02	09/04/24 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		60	mg/Kg		09/04/24 12:51	09/04/24 17:52	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-51A

Lab Sample ID: 885-10998-7

Date Collected: 08/29/24 12:02

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/03/24 11:24	09/05/24 07:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			09/03/24 11:24	09/05/24 07:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/03/24 11:24	09/05/24 07:38	1
Ethylbenzene	ND		0.046	mg/Kg		09/03/24 11:24	09/05/24 07:38	1
Toluene	ND		0.046	mg/Kg		09/03/24 11:24	09/05/24 07:38	1
Xylenes, Total	ND		0.093	mg/Kg		09/03/24 11:24	09/05/24 07:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 11:24	09/05/24 07:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/03/24 15:02	09/04/24 12:36	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/03/24 15:02	09/04/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			09/03/24 15:02	09/04/24 12:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		60	mg/Kg		09/04/24 12:51	09/04/24 18:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-58A

Lab Sample ID: 885-10998-8

Date Collected: 08/29/24 12:08

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 11:24	09/05/24 08:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/03/24 11:24	09/05/24 08:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 11:24	09/05/24 08:00	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 11:24	09/05/24 08:00	1
Toluene	ND		0.050	mg/Kg		09/03/24 11:24	09/05/24 08:00	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 11:24	09/05/24 08:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 11:24	09/05/24 08:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/03/24 15:02	09/04/24 12:46	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/03/24 15:02	09/04/24 12:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			09/03/24 15:02	09/04/24 12:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		60	mg/Kg		09/04/24 12:51	09/04/24 18:44	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-41A

Lab Sample ID: 885-10998-9

Date Collected: 08/29/24 12:12

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/03/24 12:26	09/06/24 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/06/24 20:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/06/24 20:55	1
Ethylbenzene	ND		0.049	mg/Kg		09/03/24 12:26	09/06/24 20:55	1
Toluene	ND		0.049	mg/Kg		09/03/24 12:26	09/06/24 20:55	1
Xylenes, Total	ND		0.099	mg/Kg		09/03/24 12:26	09/06/24 20:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 12:26	09/06/24 20:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/04/24 10:41	09/04/24 16:44	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/04/24 10:41	09/04/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			09/04/24 10:41	09/04/24 16:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		09/04/24 15:06	09/04/24 20:08	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-59A

Lab Sample ID: 885-10998-10

Date Collected: 08/29/24 12:14

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/03/24 12:26	09/06/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/03/24 12:26	09/06/24 22:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/06/24 22:00	1
Ethylbenzene	ND		0.049	mg/Kg		09/03/24 12:26	09/06/24 22:00	1
Toluene	ND		0.049	mg/Kg		09/03/24 12:26	09/06/24 22:00	1
Xylenes, Total	ND		0.098	mg/Kg		09/03/24 12:26	09/06/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 12:26	09/06/24 22:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/04/24 10:41	09/04/24 16:55	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/04/24 10:41	09/04/24 16:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			09/04/24 10:41	09/04/24 16:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		09/04/24 15:06	09/04/24 19:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-33A

Lab Sample ID: 885-10998-11

Date Collected: 08/29/24 13:02

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 12:26	09/06/24 23:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/03/24 12:26	09/06/24 23:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/06/24 23:05	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 12:26	09/06/24 23:05	1
Toluene	ND		0.047	mg/Kg		09/03/24 12:26	09/06/24 23:05	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 12:26	09/06/24 23:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 12:26	09/06/24 23:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/04/24 10:41	09/04/24 17:06	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			09/04/24 10:41	09/04/24 17:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		60	mg/Kg		09/04/24 15:06	09/04/24 19:23	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-34A

Lab Sample ID: 885-10998-12

Date Collected: 08/29/24 13:04

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/03/24 12:26	09/06/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/06/24 23:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/03/24 12:26	09/06/24 23:27	1
Ethylbenzene	ND		0.046	mg/Kg		09/03/24 12:26	09/06/24 23:27	1
Toluene	ND		0.046	mg/Kg		09/03/24 12:26	09/06/24 23:27	1
Xylenes, Total	ND		0.093	mg/Kg		09/03/24 12:26	09/06/24 23:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 12:26	09/06/24 23:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/04/24 10:41	09/04/24 17:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/04/24 10:41	09/04/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			09/04/24 10:41	09/04/24 17:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		09/04/24 15:06	09/04/24 20:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-36A

Lab Sample ID: 885-10998-13

Date Collected: 08/29/24 13:08

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/06/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/06/24 23:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/06/24 23:48	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/06/24 23:48	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/06/24 23:48	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 12:26	09/06/24 23:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 12:26	09/06/24 23:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/04/24 10:41	09/04/24 17:28	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/04/24 10:41	09/04/24 17:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			09/04/24 10:41	09/04/24 17:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		09/04/24 15:06	09/04/24 21:09	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-41A

Lab Sample ID: 885-10998-14

Date Collected: 08/29/24 13:12

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 12:26	09/07/24 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/07/24 00:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/07/24 00:10	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 00:10	1
Toluene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 00:10	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 12:26	09/07/24 00:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/03/24 12:26	09/07/24 00:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/04/24 10:41	09/04/24 17:39	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/04/24 10:41	09/04/24 17:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			09/04/24 10:41	09/04/24 17:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		09/04/24 15:06	09/04/24 21:24	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-43A

Lab Sample ID: 885-10998-15

Date Collected: 08/29/24 13:20

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/07/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/03/24 12:26	09/07/24 00:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 00:32	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 00:32	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 00:32	1
Xylenes, Total	ND		0.097	mg/Kg		09/03/24 12:26	09/07/24 00:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/03/24 12:26	09/07/24 00:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/04/24 10:41	09/04/24 17:51	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 17:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/04/24 10:41	09/04/24 17:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/04/24 15:06	09/04/24 21:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-40A

Lab Sample ID: 885-10998-16

Date Collected: 08/29/24 13:24

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 12:26	09/07/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			09/03/24 12:26	09/07/24 00:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 00:54	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 00:54	1
Toluene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 00:54	1
Xylenes, Total	ND		0.094	mg/Kg		09/03/24 12:26	09/07/24 00:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 12:26	09/07/24 00:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		09/04/24 10:41	09/04/24 18:02	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		09/04/24 10:41	09/04/24 18:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			09/04/24 10:41	09/04/24 18:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/04/24 15:06	09/04/24 21:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-39A

Lab Sample ID: 885-10998-17

Date Collected: 08/29/24 13:26

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/07/24 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/03/24 12:26	09/07/24 01:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 01:15	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 01:15	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 01:15	1
Xylenes, Total	ND		0.096	mg/Kg		09/03/24 12:26	09/07/24 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 12:26	09/07/24 01:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/04/24 10:41	09/04/24 18:13	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			09/04/24 10:41	09/04/24 18:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/04/24 15:06	09/04/24 22:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-37A

Lab Sample ID: 885-10998-18

Date Collected: 08/29/24 13:28

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/07/24 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/03/24 12:26	09/07/24 01:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 01:37	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 01:37	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 01:37	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 12:26	09/07/24 01:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 12:26	09/07/24 01:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/04/24 10:41	09/04/24 18:36	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/04/24 10:41	09/04/24 18:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			09/04/24 10:41	09/04/24 18:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/04/24 15:06	09/04/24 22:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-46A

Lab Sample ID: 885-10998-19

Date Collected: 08/29/24 13:30

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 12:26	09/07/24 02:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/03/24 12:26	09/07/24 02:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 02:21	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 02:21	1
Toluene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 02:21	1
Xylenes, Total	ND		0.094	mg/Kg		09/03/24 12:26	09/07/24 02:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 12:26	09/07/24 02:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/04/24 10:41	09/04/24 18:47	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/04/24 10:41	09/04/24 18:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			09/04/24 10:41	09/04/24 18:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		09/04/24 15:06	09/04/24 23:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-47A

Lab Sample ID: 885-10998-20

Date Collected: 08/29/24 13:32

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/07/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			09/03/24 12:26	09/07/24 02:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 02:42	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 02:42	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 02:42	1
Xylenes, Total	ND		0.096	mg/Kg		09/03/24 12:26	09/07/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 12:26	09/07/24 02:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/04/24 10:41	09/04/24 18:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/04/24 10:41	09/04/24 18:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			09/04/24 10:41	09/04/24 18:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		09/04/24 15:06	09/04/24 23:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-50A

Lab Sample ID: 885-10998-21

Date Collected: 08/29/24 13:34

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 12:26	09/07/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/07/24 03:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/07/24 03:04	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 03:04	1
Toluene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 03:04	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 12:26	09/07/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			09/03/24 12:26	09/07/24 03:04	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/04/24 10:41	09/04/24 19:10	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/04/24 10:41	09/04/24 19:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			09/04/24 10:41	09/04/24 19:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		09/04/24 15:06	09/05/24 00:12	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-51A

Lab Sample ID: 885-10998-22

Date Collected: 08/29/24 13:36

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 12:26	09/07/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/03/24 12:26	09/07/24 03:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 03:26	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 03:26	1
Toluene	ND		0.048	mg/Kg		09/03/24 12:26	09/07/24 03:26	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 12:26	09/07/24 03:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 12:26	09/07/24 03:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/04/24 10:41	09/04/24 19:21	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 19:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			09/04/24 10:41	09/04/24 19:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/04/24 15:06	09/05/24 00:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-53A

Lab Sample ID: 885-10998-23

Date Collected: 08/29/24 13:40

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 12:26	09/07/24 03:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/07/24 03:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/07/24 03:48	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 03:48	1
Toluene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 03:48	1
Xylenes, Total	ND		0.099	mg/Kg		09/03/24 12:26	09/07/24 03:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 12:26	09/07/24 03:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/04/24 10:41	09/04/24 19:33	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			09/04/24 10:41	09/04/24 19:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	450		60	mg/Kg		09/04/24 15:06	09/05/24 00:42	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-23A

Lab Sample ID: 885-10998-24

Date Collected: 08/29/24 13:42

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/03/24 12:26	09/07/24 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 12:26	09/07/24 04:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 04:10	1
Ethylbenzene	ND		0.049	mg/Kg		09/03/24 12:26	09/07/24 04:10	1
Toluene	ND		0.049	mg/Kg		09/03/24 12:26	09/07/24 04:10	1
Xylenes, Total	ND		0.097	mg/Kg		09/03/24 12:26	09/07/24 04:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 12:26	09/07/24 04:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/04/24 10:41	09/04/24 19:44	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 19:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			09/04/24 10:41	09/04/24 19:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		09/04/24 15:06	09/05/24 00:58	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-29A

Lab Sample ID: 885-10998-25

Date Collected: 08/29/24 14:00

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/03/24 12:26	09/07/24 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/03/24 12:26	09/07/24 04:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/07/24 04:32	1
Ethylbenzene	ND		0.049	mg/Kg		09/03/24 12:26	09/07/24 04:32	1
Toluene	ND		0.049	mg/Kg		09/03/24 12:26	09/07/24 04:32	1
Xylenes, Total	ND		0.099	mg/Kg		09/03/24 12:26	09/07/24 04:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 12:26	09/07/24 04:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/04/24 10:41	09/04/24 19:55	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/04/24 10:41	09/04/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			09/04/24 10:41	09/04/24 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/04/24 15:06	09/05/24 01:13	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-52A

Lab Sample ID: 885-10998-26

Date Collected: 08/29/24 14:04

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 12:26	09/07/24 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			09/03/24 12:26	09/07/24 04:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 04:53	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 04:53	1
Toluene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 04:53	1
Xylenes, Total	ND		0.094	mg/Kg		09/03/24 12:26	09/07/24 04:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 12:26	09/07/24 04:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/04/24 10:41	09/04/24 20:06	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 20:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	68		62 - 134			09/04/24 10:41	09/04/24 20:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		09/04/24 15:06	09/05/24 01:28	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-14A

Lab Sample ID: 885-10998-27

Date Collected: 08/29/24 14:08

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 12:26	09/07/24 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/03/24 12:26	09/07/24 05:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/07/24 05:15	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 05:15	1
Toluene	ND		0.050	mg/Kg		09/03/24 12:26	09/07/24 05:15	1
Xylenes, Total	ND		0.099	mg/Kg		09/03/24 12:26	09/07/24 05:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 12:26	09/07/24 05:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/04/24 10:41	09/04/24 20:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 10:41	09/04/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			09/04/24 10:41	09/04/24 20:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	480		60	mg/Kg		09/04/24 15:06	09/05/24 02:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-30A

Lab Sample ID: 885-10998-28

Date Collected: 08/29/24 14:10

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/03/24 12:26	09/07/24 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/03/24 12:26	09/07/24 05:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 12:26	09/07/24 05:37	1
Ethylbenzene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 05:37	1
Toluene	ND		0.047	mg/Kg		09/03/24 12:26	09/07/24 05:37	1
Xylenes, Total	ND		0.094	mg/Kg		09/03/24 12:26	09/07/24 05:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/03/24 12:26	09/07/24 05:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/04/24 10:41	09/04/24 20:40	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/04/24 10:41	09/04/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			09/04/24 10:41	09/04/24 20:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		60	mg/Kg		09/04/24 15:06	09/05/24 02:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-1A

Lab Sample ID: 885-10998-29

Date Collected: 08/29/24 14:12

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 16:02	09/09/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			09/03/24 16:02	09/09/24 05:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 16:02	09/09/24 05:49	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 16:02	09/09/24 05:49	1
Toluene	ND		0.048	mg/Kg		09/03/24 16:02	09/09/24 05:49	1
Xylenes, Total	ND		0.095	mg/Kg		09/03/24 16:02	09/09/24 05:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/03/24 16:02	09/09/24 05:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/04/24 12:18	09/04/24 22:18	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/04/24 12:18	09/04/24 22:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			09/04/24 12:18	09/04/24 22:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		60	mg/Kg		09/04/24 16:58	09/05/24 18:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-6A

Lab Sample ID: 885-10998-30

Date Collected: 08/29/24 14:16

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 16:02	09/09/24 06:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/03/24 16:02	09/09/24 06:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 16:02	09/09/24 06:10	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 16:02	09/09/24 06:10	1
Toluene	ND		0.050	mg/Kg		09/03/24 16:02	09/09/24 06:10	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 16:02	09/09/24 06:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/03/24 16:02	09/09/24 06:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/04/24 12:18	09/04/24 22:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/04/24 12:18	09/04/24 22:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			09/04/24 12:18	09/04/24 22:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		09/04/24 16:58	09/05/24 18:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B13

Lab Sample ID: 885-10998-31

Date Collected: 08/29/24 14:20

Matrix: Solid

Date Received: 08/31/24 09:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/03/24 16:02	09/09/24 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166			09/03/24 16:02	09/09/24 06:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/03/24 16:02	09/09/24 06:32	1
Ethylbenzene	ND		0.048	mg/Kg		09/03/24 16:02	09/09/24 06:32	1
Toluene	ND		0.048	mg/Kg		09/03/24 16:02	09/09/24 06:32	1
Xylenes, Total	ND		0.096	mg/Kg		09/03/24 16:02	09/09/24 06:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/03/24 16:02	09/09/24 06:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/04/24 12:18	09/04/24 22:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/04/24 12:18	09/04/24 22:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			09/04/24 12:18	09/04/24 22:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/04/24 16:58	09/05/24 19:05	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-11514/1-A
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11514

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/03/24 11:24	09/04/24 22:56	1

Lab Sample ID: LCS 885-11514/2-A
Matrix: Solid
Analysis Batch: 11650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.6		mg/Kg		102	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	216		35 - 166				

Lab Sample ID: MB 885-11518/1-A
Matrix: Solid
Analysis Batch: 11802

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11518

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 12:26	09/06/24 20:33	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/03/24 12:26	09/06/24 20:33	1

Lab Sample ID: LCS 885-11518/2-A
Matrix: Solid
Analysis Batch: 11802

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	27.6		mg/Kg		110	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	219		35 - 166				

Lab Sample ID: 885-10998-9 MS
Matrix: Solid
Analysis Batch: 11802

Client Sample ID: PS-41A
Prep Type: Total/NA
Prep Batch: 11518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	24.8		mg/Kg		101	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-10998-9 MS
 Matrix: Solid
 Analysis Batch: 11802

Client Sample ID: PS-41A
 Prep Type: Total/NA
 Prep Batch: 11518

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	219		35 - 166

Lab Sample ID: 885-10998-9 MSD
 Matrix: Solid
 Analysis Batch: 11802

Client Sample ID: PS-41A
 Prep Type: Total/NA
 Prep Batch: 11518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	27.9		mg/Kg		112	70 - 130	12	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	221		35 - 166

Lab Sample ID: MB 885-11537/1-A
 Matrix: Solid
 Analysis Batch: 11832

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 11537

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/03/24 16:02	09/08/24 21:50	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166	09/03/24 16:02	09/08/24 21:50	1

Lab Sample ID: LCS 885-11537/2-A
 Matrix: Solid
 Analysis Batch: 11832

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 11537

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	24.3		mg/Kg		97	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	207		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-11514/1-A
 Matrix: Solid
 Analysis Batch: 11652

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 11514

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Toluene	ND		0.050	mg/Kg		09/03/24 11:24	09/04/24 22:56	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 11:24	09/04/24 22:56	1

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-11514/1-A
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11514

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		48 - 145	09/03/24 11:24	09/04/24 22:56	1

Lab Sample ID: LCS 885-11514/3-A
Matrix: Solid
Analysis Batch: 11652

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	1.07		mg/Kg		107	70 - 130
Toluene	1.00	1.07		mg/Kg		107	70 - 130
m-Xylene & p-Xylene	2.00	2.11		mg/Kg		106	70 - 130
o-Xylene	1.00	1.06		mg/Kg		106	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		48 - 145

Lab Sample ID: MB 885-11518/1-A
Matrix: Solid
Analysis Batch: 11805

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11518

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		09/03/24 12:26	09/06/24 20:33	1
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 12:26	09/06/24 20:33	1
Toluene	ND		0.050	mg/Kg		09/03/24 12:26	09/06/24 20:33	1
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 12:26	09/06/24 20:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	106		48 - 145	09/03/24 12:26	09/06/24 20:33	1

Lab Sample ID: LCS 885-11518/3-A
Matrix: Solid
Analysis Batch: 11805

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	1.00	1.10		mg/Kg		110	70 - 130
Toluene	1.00	1.09		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	2.00	2.17		mg/Kg		109	70 - 130
o-Xylene	1.00	1.07		mg/Kg		107	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		48 - 145

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-10998-10 MS

Matrix: Solid

Analysis Batch: 11805

Client Sample ID: PS-59A

Prep Type: Total/NA

Prep Batch: 11518

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.976	1.08		mg/Kg		111		70 - 130	
Ethylbenzene	ND		0.976	1.10		mg/Kg		113		70 - 130	
Toluene	ND		0.976	1.09		mg/Kg		112		70 - 130	
m-Xylene & p-Xylene	ND		1.95	2.21		mg/Kg		113		70 - 130	
o-Xylene	ND		0.976	1.09		mg/Kg		112		70 - 130	
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	106		48 - 145								

Lab Sample ID: 885-10998-10 MSD

Matrix: Solid

Analysis Batch: 11805

Client Sample ID: PS-59A

Prep Type: Total/NA

Prep Batch: 11518

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier								
Benzene	ND		0.982	1.09		mg/Kg		111		70 - 130	0	20	
Ethylbenzene	ND		0.982	1.10		mg/Kg		112		70 - 130	0	20	
Toluene	ND		0.982	1.09		mg/Kg		111		70 - 130	0	20	
m-Xylene & p-Xylene	ND		1.96	2.19		mg/Kg		112		70 - 130	1	20	
o-Xylene	ND		0.982	1.08		mg/Kg		110		70 - 130	1	20	
		MSD	MSD										
Surrogate	%Recovery	Qualifier	Limits										
4-Bromofluorobenzene (Surr)	108		48 - 145										

Lab Sample ID: MB 885-11537/1-A

Matrix: Solid

Analysis Batch: 11834

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11537

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier							
Benzene	ND		0.025	mg/Kg		09/03/24 16:02	09/08/24 21:50	1	
Ethylbenzene	ND		0.050	mg/Kg		09/03/24 16:02	09/08/24 21:50	1	
Toluene	ND		0.050	mg/Kg		09/03/24 16:02	09/08/24 21:50	1	
Xylenes, Total	ND		0.10	mg/Kg		09/03/24 16:02	09/08/24 21:50	1	
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	103		48 - 145	09/03/24 16:02	09/08/24 21:50	1			

Lab Sample ID: LCS 885-11537/3-A

Matrix: Solid

Analysis Batch: 11834

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11537

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Added	Result					
Benzene	1.00	1.06		mg/Kg		106		70 - 130
Ethylbenzene	1.00	1.06		mg/Kg		106		70 - 130
Toluene	1.00	1.06		mg/Kg		106		70 - 130
m-Xylene & p-Xylene	2.00	2.13		mg/Kg		106		70 - 130
o-Xylene	1.00	1.04		mg/Kg		104		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-11537/3-A
 Matrix: Solid
 Analysis Batch: 11834

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 11537

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-11535/1-A
 Matrix: Solid
 Analysis Batch: 11566

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 11535

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/03/24 15:02	09/04/24 11:10	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/03/24 15:02	09/04/24 11:10	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134	09/03/24 15:02	09/04/24 11:10	1

Lab Sample ID: LCS 885-11535/2-A
 Matrix: Solid
 Analysis Batch: 11566

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 11535

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	36.7		mg/Kg		73	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	84		62 - 134

Lab Sample ID: MB 885-11580/1-A
 Matrix: Solid
 Analysis Batch: 11566

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 11580

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/04/24 10:41	09/04/24 16:22	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/04/24 10:41	09/04/24 16:22	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134	09/04/24 10:41	09/04/24 16:22	1

Lab Sample ID: LCS 885-11580/2-A
 Matrix: Solid
 Analysis Batch: 11566

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 11580

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	42.6		mg/Kg		85	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-10998-28 MS

Matrix: Solid

Analysis Batch: 11566

Client Sample ID: P2-B-30A

Prep Type: Total/NA

Prep Batch: 11580

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.3	36.9		mg/Kg		78	44 - 136
Surrogate	%Recovery	Qualifier	Limits						
Di-n-octyl phthalate (Surr)	81		62 - 134						

Lab Sample ID: 885-10998-28 MSD

Matrix: Solid

Analysis Batch: 11566

Client Sample ID: P2-B-30A

Prep Type: Total/NA

Prep Batch: 11580

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.1	37.8		mg/Kg		79	44 - 136	3	32
Surrogate	%Recovery	Qualifier	Limits								
Di-n-octyl phthalate (Surr)	82		62 - 134								

Lab Sample ID: MB 885-11592/1-A

Matrix: Solid

Analysis Batch: 11566

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/04/24 12:18	09/04/24 21:56	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/04/24 12:18	09/04/24 21:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			09/04/24 12:18	09/04/24 21:56	1

Lab Sample ID: LCS 885-11592/2-A

Matrix: Solid

Analysis Batch: 11566

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 11592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	39.8		mg/Kg		80	60 - 135
Surrogate	%Recovery	Qualifier	Limits				
Di-n-octyl phthalate (Surr)	85		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-11588/1-A

Matrix: Solid

Analysis Batch: 11665

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 11588

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 11:40	09/04/24 18:07	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-11588/2-A
Matrix: Solid
Analysis Batch: 11665

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11588

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.2		mg/Kg		104	90 - 110

Lab Sample ID: MB 885-11596/1-A
Matrix: Solid
Analysis Batch: 11640

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11596

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 12:51	09/04/24 16:48	1

Lab Sample ID: LCS 885-11596/2-A
Matrix: Solid
Analysis Batch: 11640

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.9		mg/Kg		96	90 - 110

Lab Sample ID: 885-10998-6 MS
Matrix: Solid
Analysis Batch: 11640

Client Sample ID: PS-55A
Prep Type: Total/NA
Prep Batch: 11596

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	450		30.1	477	4	mg/Kg		87	50 - 150

Lab Sample ID: 885-10998-6 MSD
Matrix: Solid
Analysis Batch: 11640

Client Sample ID: PS-55A
Prep Type: Total/NA
Prep Batch: 11596

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	450		30.0	493	4	mg/Kg		142	50 - 150	3	20

Lab Sample ID: MB 885-11610/1-A
Matrix: Solid
Analysis Batch: 11605

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 11610

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 15:06	09/04/24 18:37	1

Lab Sample ID: LCS 885-11610/2-A
Matrix: Solid
Analysis Batch: 11605

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 11610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.7		mg/Kg		106	90 - 110

Lab Sample ID: 885-10998-9 MS
Matrix: Solid
Analysis Batch: 11605

Client Sample ID: PS-41A
Prep Type: Total/NA
Prep Batch: 11610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	280		29.9	297	4	mg/Kg		50	50 - 150

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-10998-9 MSD
 Matrix: Solid
 Analysis Batch: 11605

Client Sample ID: PS-41A
 Prep Type: Total/NA
 Prep Batch: 11610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	280		30.0	311	4	mg/Kg		95	50 - 150	4	20

Lab Sample ID: 885-10998-19 MS
 Matrix: Solid
 Analysis Batch: 11605

Client Sample ID: P2-B-46A
 Prep Type: Total/NA
 Prep Batch: 11610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210		30.0	251	4	mg/Kg		131	50 - 150

Lab Sample ID: MB 885-11622/1-A
 Matrix: Solid
 Analysis Batch: 11669

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 11622

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/04/24 16:58	09/05/24 12:52	1

Lab Sample ID: LCS 885-11622/2-A
 Matrix: Solid
 Analysis Batch: 11669

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 11622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	27.9		mg/Kg		93	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

GC VOA

Prep Batch: 11514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	5030C	
885-10998-2	PS-48A	Total/NA	Solid	5030C	
885-10998-3	PS-49A	Total/NA	Solid	5030C	
885-10998-4	PS-50A	Total/NA	Solid	5030C	
885-10998-5	PS-54A	Total/NA	Solid	5030C	
885-10998-6	PS-55A	Total/NA	Solid	5030C	
885-10998-7	PS-51A	Total/NA	Solid	5030C	
885-10998-8	PS-58A	Total/NA	Solid	5030C	
MB 885-11514/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11514/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11514/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 11518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	5030C	
885-10998-10	PS-59A	Total/NA	Solid	5030C	
885-10998-11	P2-B-33A	Total/NA	Solid	5030C	
885-10998-12	P2-B-34A	Total/NA	Solid	5030C	
885-10998-13	P2-B-36A	Total/NA	Solid	5030C	
885-10998-14	P2-B-41A	Total/NA	Solid	5030C	
885-10998-15	P2-B-43A	Total/NA	Solid	5030C	
885-10998-16	P2-B-40A	Total/NA	Solid	5030C	
885-10998-17	P2-B-39A	Total/NA	Solid	5030C	
885-10998-18	P2-B-37A	Total/NA	Solid	5030C	
885-10998-19	P2-B-46A	Total/NA	Solid	5030C	
885-10998-20	P2-B-47A	Total/NA	Solid	5030C	
885-10998-21	P2-B-50A	Total/NA	Solid	5030C	
885-10998-22	P2-B-51A	Total/NA	Solid	5030C	
885-10998-23	P2-B-53A	Total/NA	Solid	5030C	
885-10998-24	P2-B-23A	Total/NA	Solid	5030C	
885-10998-25	P2-B-29A	Total/NA	Solid	5030C	
885-10998-26	P2-B-52A	Total/NA	Solid	5030C	
885-10998-27	P2-B-14A	Total/NA	Solid	5030C	
885-10998-28	P2-B-30A	Total/NA	Solid	5030C	
MB 885-11518/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11518/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11518/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-10998-9 MS	PS-41A	Total/NA	Solid	5030C	
885-10998-9 MSD	PS-41A	Total/NA	Solid	5030C	
885-10998-10 MS	PS-59A	Total/NA	Solid	5030C	
885-10998-10 MSD	PS-59A	Total/NA	Solid	5030C	

Prep Batch: 11537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	5030C	
885-10998-30	P2-B-6A	Total/NA	Solid	5030C	
885-10998-31	P2-B13	Total/NA	Solid	5030C	
MB 885-11537/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-11537/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-11537/3-A	Lab Control Sample	Total/NA	Solid	5030C	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

GC VOA

Analysis Batch: 11650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	8015M/D	11514
885-10998-2	PS-48A	Total/NA	Solid	8015M/D	11514
885-10998-3	PS-49A	Total/NA	Solid	8015M/D	11514
885-10998-4	PS-50A	Total/NA	Solid	8015M/D	11514
885-10998-5	PS-54A	Total/NA	Solid	8015M/D	11514
885-10998-6	PS-55A	Total/NA	Solid	8015M/D	11514
885-10998-7	PS-51A	Total/NA	Solid	8015M/D	11514
885-10998-8	PS-58A	Total/NA	Solid	8015M/D	11514
MB 885-11514/1-A	Method Blank	Total/NA	Solid	8015M/D	11514
LCS 885-11514/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11514

Analysis Batch: 11652

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	8021B	11514
885-10998-2	PS-48A	Total/NA	Solid	8021B	11514
885-10998-3	PS-49A	Total/NA	Solid	8021B	11514
885-10998-4	PS-50A	Total/NA	Solid	8021B	11514
885-10998-5	PS-54A	Total/NA	Solid	8021B	11514
885-10998-6	PS-55A	Total/NA	Solid	8021B	11514
885-10998-7	PS-51A	Total/NA	Solid	8021B	11514
885-10998-8	PS-58A	Total/NA	Solid	8021B	11514
MB 885-11514/1-A	Method Blank	Total/NA	Solid	8021B	11514
LCS 885-11514/3-A	Lab Control Sample	Total/NA	Solid	8021B	11514

Analysis Batch: 11802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	8015M/D	11518
885-10998-10	PS-59A	Total/NA	Solid	8015M/D	11518
885-10998-11	P2-B-33A	Total/NA	Solid	8015M/D	11518
885-10998-12	P2-B-34A	Total/NA	Solid	8015M/D	11518
885-10998-13	P2-B-36A	Total/NA	Solid	8015M/D	11518
885-10998-14	P2-B-41A	Total/NA	Solid	8015M/D	11518
885-10998-15	P2-B-43A	Total/NA	Solid	8015M/D	11518
885-10998-16	P2-B-40A	Total/NA	Solid	8015M/D	11518
885-10998-17	P2-B-39A	Total/NA	Solid	8015M/D	11518
885-10998-18	P2-B-37A	Total/NA	Solid	8015M/D	11518
885-10998-19	P2-B-46A	Total/NA	Solid	8015M/D	11518
885-10998-20	P2-B-47A	Total/NA	Solid	8015M/D	11518
885-10998-21	P2-B-50A	Total/NA	Solid	8015M/D	11518
885-10998-22	P2-B-51A	Total/NA	Solid	8015M/D	11518
885-10998-23	P2-B-53A	Total/NA	Solid	8015M/D	11518
885-10998-24	P2-B-23A	Total/NA	Solid	8015M/D	11518
885-10998-25	P2-B-29A	Total/NA	Solid	8015M/D	11518
885-10998-26	P2-B-52A	Total/NA	Solid	8015M/D	11518
885-10998-27	P2-B-14A	Total/NA	Solid	8015M/D	11518
885-10998-28	P2-B-30A	Total/NA	Solid	8015M/D	11518
MB 885-11518/1-A	Method Blank	Total/NA	Solid	8015M/D	11518
LCS 885-11518/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11518
885-10998-9 MS	PS-41A	Total/NA	Solid	8015M/D	11518
885-10998-9 MSD	PS-41A	Total/NA	Solid	8015M/D	11518

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-10998-1

GC VOA

Analysis Batch: 11805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	8021B	11518
885-10998-10	PS-59A	Total/NA	Solid	8021B	11518
885-10998-11	P2-B-33A	Total/NA	Solid	8021B	11518
885-10998-12	P2-B-34A	Total/NA	Solid	8021B	11518
885-10998-13	P2-B-36A	Total/NA	Solid	8021B	11518
885-10998-14	P2-B-41A	Total/NA	Solid	8021B	11518
885-10998-15	P2-B-43A	Total/NA	Solid	8021B	11518
885-10998-16	P2-B-40A	Total/NA	Solid	8021B	11518
885-10998-17	P2-B-39A	Total/NA	Solid	8021B	11518
885-10998-18	P2-B-37A	Total/NA	Solid	8021B	11518
885-10998-19	P2-B-46A	Total/NA	Solid	8021B	11518
885-10998-20	P2-B-47A	Total/NA	Solid	8021B	11518
885-10998-21	P2-B-50A	Total/NA	Solid	8021B	11518
885-10998-22	P2-B-51A	Total/NA	Solid	8021B	11518
885-10998-23	P2-B-53A	Total/NA	Solid	8021B	11518
885-10998-24	P2-B-23A	Total/NA	Solid	8021B	11518
885-10998-25	P2-B-29A	Total/NA	Solid	8021B	11518
885-10998-26	P2-B-52A	Total/NA	Solid	8021B	11518
885-10998-27	P2-B-14A	Total/NA	Solid	8021B	11518
885-10998-28	P2-B-30A	Total/NA	Solid	8021B	11518
MB 885-11518/1-A	Method Blank	Total/NA	Solid	8021B	11518
LCS 885-11518/3-A	Lab Control Sample	Total/NA	Solid	8021B	11518
885-10998-10 MS	PS-59A	Total/NA	Solid	8021B	11518
885-10998-10 MSD	PS-59A	Total/NA	Solid	8021B	11518

Analysis Batch: 11832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	8015M/D	11537
885-10998-30	P2-B-6A	Total/NA	Solid	8015M/D	11537
885-10998-31	P2-B13	Total/NA	Solid	8015M/D	11537
MB 885-11537/1-A	Method Blank	Total/NA	Solid	8015M/D	11537
LCS 885-11537/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11537

Analysis Batch: 11834

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	8021B	11537
885-10998-30	P2-B-6A	Total/NA	Solid	8021B	11537
885-10998-31	P2-B13	Total/NA	Solid	8021B	11537
MB 885-11537/1-A	Method Blank	Total/NA	Solid	8021B	11537
LCS 885-11537/3-A	Lab Control Sample	Total/NA	Solid	8021B	11537

GC Semi VOA

Prep Batch: 11535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	SHAKE	
885-10998-2	PS-48A	Total/NA	Solid	SHAKE	
885-10998-3	PS-49A	Total/NA	Solid	SHAKE	
885-10998-4	PS-50A	Total/NA	Solid	SHAKE	
885-10998-5	PS-54A	Total/NA	Solid	SHAKE	
885-10998-6	PS-55A	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

GC Semi VOA (Continued)

Prep Batch: 11535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-7	PS-51A	Total/NA	Solid	SHAKE	
885-10998-8	PS-58A	Total/NA	Solid	SHAKE	
MB 885-11535/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11535/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 11566

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	8015M/D	11535
885-10998-2	PS-48A	Total/NA	Solid	8015M/D	11535
885-10998-3	PS-49A	Total/NA	Solid	8015M/D	11535
885-10998-4	PS-50A	Total/NA	Solid	8015M/D	11535
885-10998-5	PS-54A	Total/NA	Solid	8015M/D	11535
885-10998-6	PS-55A	Total/NA	Solid	8015M/D	11535
885-10998-7	PS-51A	Total/NA	Solid	8015M/D	11535
885-10998-8	PS-58A	Total/NA	Solid	8015M/D	11535
885-10998-9	PS-41A	Total/NA	Solid	8015M/D	11580
885-10998-10	PS-59A	Total/NA	Solid	8015M/D	11580
885-10998-11	P2-B-33A	Total/NA	Solid	8015M/D	11580
885-10998-12	P2-B-34A	Total/NA	Solid	8015M/D	11580
885-10998-13	P2-B-36A	Total/NA	Solid	8015M/D	11580
885-10998-14	P2-B-41A	Total/NA	Solid	8015M/D	11580
885-10998-15	P2-B-43A	Total/NA	Solid	8015M/D	11580
885-10998-16	P2-B-40A	Total/NA	Solid	8015M/D	11580
885-10998-17	P2-B-39A	Total/NA	Solid	8015M/D	11580
885-10998-18	P2-B-37A	Total/NA	Solid	8015M/D	11580
885-10998-19	P2-B-46A	Total/NA	Solid	8015M/D	11580
885-10998-20	P2-B-47A	Total/NA	Solid	8015M/D	11580
885-10998-21	P2-B-50A	Total/NA	Solid	8015M/D	11580
885-10998-22	P2-B-51A	Total/NA	Solid	8015M/D	11580
885-10998-23	P2-B-53A	Total/NA	Solid	8015M/D	11580
885-10998-24	P2-B-23A	Total/NA	Solid	8015M/D	11580
885-10998-25	P2-B-29A	Total/NA	Solid	8015M/D	11580
885-10998-26	P2-B-52A	Total/NA	Solid	8015M/D	11580
885-10998-27	P2-B-14A	Total/NA	Solid	8015M/D	11580
885-10998-28	P2-B-30A	Total/NA	Solid	8015M/D	11580
885-10998-29	P2-B-1A	Total/NA	Solid	8015M/D	11592
885-10998-30	P2-B-6A	Total/NA	Solid	8015M/D	11592
885-10998-31	P2-B13	Total/NA	Solid	8015M/D	11592
MB 885-11535/1-A	Method Blank	Total/NA	Solid	8015M/D	11535
MB 885-11580/1-A	Method Blank	Total/NA	Solid	8015M/D	11580
MB 885-11592/1-A	Method Blank	Total/NA	Solid	8015M/D	11592
LCS 885-11535/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11535
LCS 885-11580/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11580
LCS 885-11592/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	11592
885-10998-28 MS	P2-B-30A	Total/NA	Solid	8015M/D	11580
885-10998-28 MSD	P2-B-30A	Total/NA	Solid	8015M/D	11580

Prep Batch: 11580

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	SHAKE	
885-10998-10	PS-59A	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-10998-1

GC Semi VOA (Continued)

Prep Batch: 11580 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-11	P2-B-33A	Total/NA	Solid	SHAKE	
885-10998-12	P2-B-34A	Total/NA	Solid	SHAKE	
885-10998-13	P2-B-36A	Total/NA	Solid	SHAKE	
885-10998-14	P2-B-41A	Total/NA	Solid	SHAKE	
885-10998-15	P2-B-43A	Total/NA	Solid	SHAKE	
885-10998-16	P2-B-40A	Total/NA	Solid	SHAKE	
885-10998-17	P2-B-39A	Total/NA	Solid	SHAKE	
885-10998-18	P2-B-37A	Total/NA	Solid	SHAKE	
885-10998-19	P2-B-46A	Total/NA	Solid	SHAKE	
885-10998-20	P2-B-47A	Total/NA	Solid	SHAKE	
885-10998-21	P2-B-50A	Total/NA	Solid	SHAKE	
885-10998-22	P2-B-51A	Total/NA	Solid	SHAKE	
885-10998-23	P2-B-53A	Total/NA	Solid	SHAKE	
885-10998-24	P2-B-23A	Total/NA	Solid	SHAKE	
885-10998-25	P2-B-29A	Total/NA	Solid	SHAKE	
885-10998-26	P2-B-52A	Total/NA	Solid	SHAKE	
885-10998-27	P2-B-14A	Total/NA	Solid	SHAKE	
885-10998-28	P2-B-30A	Total/NA	Solid	SHAKE	
MB 885-11580/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11580/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-10998-28 MS	P2-B-30A	Total/NA	Solid	SHAKE	
885-10998-28 MSD	P2-B-30A	Total/NA	Solid	SHAKE	

Prep Batch: 11592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	SHAKE	
885-10998-30	P2-B-6A	Total/NA	Solid	SHAKE	
885-10998-31	P2-B13	Total/NA	Solid	SHAKE	
MB 885-11592/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-11592/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 11588

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	300_Prep	
885-10998-2	PS-48A	Total/NA	Solid	300_Prep	
MB 885-11588/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11588/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 11596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-3	PS-49A	Total/NA	Solid	300_Prep	
885-10998-4	PS-50A	Total/NA	Solid	300_Prep	
885-10998-5	PS-54A	Total/NA	Solid	300_Prep	
885-10998-6	PS-55A	Total/NA	Solid	300_Prep	
885-10998-7	PS-51A	Total/NA	Solid	300_Prep	
885-10998-8	PS-58A	Total/NA	Solid	300_Prep	
MB 885-11596/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11596/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-10998-6 MS	PS-55A	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

HPLC/IC (Continued)

Prep Batch: 11596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-6 MSD	PS-55A	Total/NA	Solid	300_Prep	

Analysis Batch: 11605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	300.0	11610
885-10998-10	PS-59A	Total/NA	Solid	300.0	11610
885-10998-11	P2-B-33A	Total/NA	Solid	300.0	11610
885-10998-12	P2-B-34A	Total/NA	Solid	300.0	11610
885-10998-13	P2-B-36A	Total/NA	Solid	300.0	11610
885-10998-14	P2-B-41A	Total/NA	Solid	300.0	11610
885-10998-15	P2-B-43A	Total/NA	Solid	300.0	11610
885-10998-16	P2-B-40A	Total/NA	Solid	300.0	11610
885-10998-17	P2-B-39A	Total/NA	Solid	300.0	11610
885-10998-18	P2-B-37A	Total/NA	Solid	300.0	11610
885-10998-19	P2-B-46A	Total/NA	Solid	300.0	11610
885-10998-20	P2-B-47A	Total/NA	Solid	300.0	11610
885-10998-21	P2-B-50A	Total/NA	Solid	300.0	11610
885-10998-22	P2-B-51A	Total/NA	Solid	300.0	11610
885-10998-23	P2-B-53A	Total/NA	Solid	300.0	11610
885-10998-24	P2-B-23A	Total/NA	Solid	300.0	11610
885-10998-25	P2-B-29A	Total/NA	Solid	300.0	11610
885-10998-26	P2-B-52A	Total/NA	Solid	300.0	11610
885-10998-27	P2-B-14A	Total/NA	Solid	300.0	11610
885-10998-28	P2-B-30A	Total/NA	Solid	300.0	11610
MB 885-11610/1-A	Method Blank	Total/NA	Solid	300.0	11610
LCS 885-11610/2-A	Lab Control Sample	Total/NA	Solid	300.0	11610
885-10998-9 MS	PS-41A	Total/NA	Solid	300.0	11610
885-10998-9 MSD	PS-41A	Total/NA	Solid	300.0	11610
885-10998-19 MS	P2-B-46A	Total/NA	Solid	300.0	11610

Prep Batch: 11610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-9	PS-41A	Total/NA	Solid	300_Prep	
885-10998-10	PS-59A	Total/NA	Solid	300_Prep	
885-10998-11	P2-B-33A	Total/NA	Solid	300_Prep	
885-10998-12	P2-B-34A	Total/NA	Solid	300_Prep	
885-10998-13	P2-B-36A	Total/NA	Solid	300_Prep	
885-10998-14	P2-B-41A	Total/NA	Solid	300_Prep	
885-10998-15	P2-B-43A	Total/NA	Solid	300_Prep	
885-10998-16	P2-B-40A	Total/NA	Solid	300_Prep	
885-10998-17	P2-B-39A	Total/NA	Solid	300_Prep	
885-10998-18	P2-B-37A	Total/NA	Solid	300_Prep	
885-10998-19	P2-B-46A	Total/NA	Solid	300_Prep	
885-10998-20	P2-B-47A	Total/NA	Solid	300_Prep	
885-10998-21	P2-B-50A	Total/NA	Solid	300_Prep	
885-10998-22	P2-B-51A	Total/NA	Solid	300_Prep	
885-10998-23	P2-B-53A	Total/NA	Solid	300_Prep	
885-10998-24	P2-B-23A	Total/NA	Solid	300_Prep	
885-10998-25	P2-B-29A	Total/NA	Solid	300_Prep	
885-10998-26	P2-B-52A	Total/NA	Solid	300_Prep	
885-10998-27	P2-B-14A	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

HPLC/IC (Continued)

Prep Batch: 11610 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-28	P2-B-30A	Total/NA	Solid	300_Prep	
MB 885-11610/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11610/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-10998-9 MS	PS-41A	Total/NA	Solid	300_Prep	
885-10998-9 MSD	PS-41A	Total/NA	Solid	300_Prep	
885-10998-19 MS	P2-B-46A	Total/NA	Solid	300_Prep	

Prep Batch: 11622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	300_Prep	
885-10998-30	P2-B-6A	Total/NA	Solid	300_Prep	
885-10998-31	P2-B13	Total/NA	Solid	300_Prep	
MB 885-11622/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-11622/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 11640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-3	PS-49A	Total/NA	Solid	300.0	11596
885-10998-4	PS-50A	Total/NA	Solid	300.0	11596
885-10998-5	PS-54A	Total/NA	Solid	300.0	11596
885-10998-6	PS-55A	Total/NA	Solid	300.0	11596
885-10998-7	PS-51A	Total/NA	Solid	300.0	11596
885-10998-8	PS-58A	Total/NA	Solid	300.0	11596
MB 885-11596/1-A	Method Blank	Total/NA	Solid	300.0	11596
LCS 885-11596/2-A	Lab Control Sample	Total/NA	Solid	300.0	11596
885-10998-6 MS	PS-55A	Total/NA	Solid	300.0	11596
885-10998-6 MSD	PS-55A	Total/NA	Solid	300.0	11596

Analysis Batch: 11665

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-1	PS-46A	Total/NA	Solid	300.0	11588
885-10998-2	PS-48A	Total/NA	Solid	300.0	11588
MB 885-11588/1-A	Method Blank	Total/NA	Solid	300.0	11588
LCS 885-11588/2-A	Lab Control Sample	Total/NA	Solid	300.0	11588

Analysis Batch: 11669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-10998-29	P2-B-1A	Total/NA	Solid	300.0	11622
885-10998-30	P2-B-6A	Total/NA	Solid	300.0	11622
885-10998-31	P2-B13	Total/NA	Solid	300.0	11622
MB 885-11622/1-A	Method Blank	Total/NA	Solid	300.0	11622
LCS 885-11622/2-A	Lab Control Sample	Total/NA	Solid	300.0	11622

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-46A

Lab Sample ID: 885-10998-1

Date Collected: 08/29/24 11:40

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 05:28
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 05:28
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 11:31
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/05/24 00:33

Client Sample ID: PS-48A

Lab Sample ID: 885-10998-2

Date Collected: 08/29/24 11:42

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 05:49
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 05:49
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 11:42
Total/NA	Prep	300_Prep			11588	EH	EET ALB	09/04/24 11:40
Total/NA	Analysis	300.0		20	11665	JT	EET ALB	09/05/24 00:46

Client Sample ID: PS-49A

Lab Sample ID: 885-10998-3

Date Collected: 08/29/24 11:46

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 06:11
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 06:11
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 11:53
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 17:14

Client Sample ID: PS-50A

Lab Sample ID: 885-10998-4

Date Collected: 08/29/24 11:50

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 06:33

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-50A

Lab Sample ID: 885-10998-4

Date Collected: 08/29/24 11:50

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 06:33
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 12:03
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 17:27

Client Sample ID: PS-54A

Lab Sample ID: 885-10998-5

Date Collected: 08/29/24 11:54

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 06:55
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 06:55
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 12:14
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 17:39

Client Sample ID: PS-55A

Lab Sample ID: 885-10998-6

Date Collected: 08/29/24 12:00

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 07:17
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 07:17
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 12:25
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 17:52

Client Sample ID: PS-51A

Lab Sample ID: 885-10998-7

Date Collected: 08/29/24 12:02

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 07:38
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 07:38

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-51A

Lab Sample ID: 885-10998-7

Date Collected: 08/29/24 12:02

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 12:36
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 18:31

Client Sample ID: PS-58A

Lab Sample ID: 885-10998-8

Date Collected: 08/29/24 12:08

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8015M/D		1	11650	AT	EET ALB	09/05/24 08:00
Total/NA	Prep	5030C			11514	JP	EET ALB	09/03/24 11:24
Total/NA	Analysis	8021B		1	11652	AT	EET ALB	09/05/24 08:00
Total/NA	Prep	SHAKE			11535	EM	EET ALB	09/03/24 15:02
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 12:46
Total/NA	Prep	300_Prep			11596	EH	EET ALB	09/04/24 12:51
Total/NA	Analysis	300.0		20	11640	JT	EET ALB	09/04/24 18:44

Client Sample ID: PS-41A

Lab Sample ID: 885-10998-9

Date Collected: 08/29/24 12:12

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/06/24 20:55
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/06/24 20:55
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 16:44
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 20:08

Client Sample ID: PS-59A

Lab Sample ID: 885-10998-10

Date Collected: 08/29/24 12:14

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/06/24 22:00
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/06/24 22:00
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 16:55

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: PS-59A

Lab Sample ID: 885-10998-10

Date Collected: 08/29/24 12:14

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 19:07

Client Sample ID: P2-B-33A

Lab Sample ID: 885-10998-11

Date Collected: 08/29/24 13:02

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/06/24 23:05
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/06/24 23:05
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 17:06
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 19:23

Client Sample ID: P2-B-34A

Lab Sample ID: 885-10998-12

Date Collected: 08/29/24 13:04

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/06/24 23:27
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/06/24 23:27
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 17:17
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 20:54

Client Sample ID: P2-B-36A

Lab Sample ID: 885-10998-13

Date Collected: 08/29/24 13:08

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/06/24 23:48
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/06/24 23:48
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 17:28
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 21:09

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-41A

Lab Sample ID: 885-10998-14

Date Collected: 08/29/24 13:12

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 00:10
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 00:10
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 17:39
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 21:24

Client Sample ID: P2-B-43A

Lab Sample ID: 885-10998-15

Date Collected: 08/29/24 13:20

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 00:32
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 00:32
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 17:51
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 21:40

Client Sample ID: P2-B-40A

Lab Sample ID: 885-10998-16

Date Collected: 08/29/24 13:24

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 00:54
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 00:54
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 18:02
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 21:55

Client Sample ID: P2-B-39A

Lab Sample ID: 885-10998-17

Date Collected: 08/29/24 13:26

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 01:15

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-39A

Lab Sample ID: 885-10998-17

Date Collected: 08/29/24 13:26

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 01:15
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 18:13
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 22:10

Client Sample ID: P2-B-37A

Lab Sample ID: 885-10998-18

Date Collected: 08/29/24 13:28

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 01:37
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 01:37
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 18:36
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 22:26

Client Sample ID: P2-B-46A

Lab Sample ID: 885-10998-19

Date Collected: 08/29/24 13:30

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 02:21
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 02:21
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 18:47
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 23:11

Client Sample ID: P2-B-47A

Lab Sample ID: 885-10998-20

Date Collected: 08/29/24 13:32

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 02:42
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 02:42

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-47A

Lab Sample ID: 885-10998-20

Date Collected: 08/29/24 13:32

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 18:59
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/04/24 23:57

Client Sample ID: P2-B-50A

Lab Sample ID: 885-10998-21

Date Collected: 08/29/24 13:34

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 03:04
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 03:04
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 19:10
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 00:12

Client Sample ID: P2-B-51A

Lab Sample ID: 885-10998-22

Date Collected: 08/29/24 13:36

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 03:26
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 03:26
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 19:21
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 00:27

Client Sample ID: P2-B-53A

Lab Sample ID: 885-10998-23

Date Collected: 08/29/24 13:40

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 03:48
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 03:48
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 19:33

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-53A

Lab Sample ID: 885-10998-23

Date Collected: 08/29/24 13:40

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 00:42

Client Sample ID: P2-B-23A

Lab Sample ID: 885-10998-24

Date Collected: 08/29/24 13:42

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 04:10
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 04:10
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 19:44
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 00:58

Client Sample ID: P2-B-29A

Lab Sample ID: 885-10998-25

Date Collected: 08/29/24 14:00

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 04:32
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 04:32
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 19:55
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 01:13

Client Sample ID: P2-B-52A

Lab Sample ID: 885-10998-26

Date Collected: 08/29/24 14:04

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 04:53
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 04:53
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 20:06
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 01:28

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-14A

Lab Sample ID: 885-10998-27

Date Collected: 08/29/24 14:08

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 05:15
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 05:15
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 20:17
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 02:13

Client Sample ID: P2-B-30A

Lab Sample ID: 885-10998-28

Date Collected: 08/29/24 14:10

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8015M/D		1	11802	AT	EET ALB	09/07/24 05:37
Total/NA	Prep	5030C			11518	JP	EET ALB	09/03/24 12:26
Total/NA	Analysis	8021B		1	11805	AT	EET ALB	09/07/24 05:37
Total/NA	Prep	SHAKE			11580	EM	EET ALB	09/04/24 10:41
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 20:40
Total/NA	Prep	300_Prep			11610	EH	EET ALB	09/04/24 15:06
Total/NA	Analysis	300.0		20	11605	EH	EET ALB	09/05/24 02:29

Client Sample ID: P2-B-1A

Lab Sample ID: 885-10998-29

Date Collected: 08/29/24 14:12

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8015M/D		1	11832	AT	EET ALB	09/09/24 05:49
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8021B		1	11834	AT	EET ALB	09/09/24 05:49
Total/NA	Prep	SHAKE			11592	EM	EET ALB	09/04/24 12:18
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 22:18
Total/NA	Prep	300_Prep			11622	EH	EET ALB	09/04/24 16:58
Total/NA	Analysis	300.0		20	11669	EH	EET ALB	09/05/24 18:40

Client Sample ID: P2-B-6A

Lab Sample ID: 885-10998-30

Date Collected: 08/29/24 14:16

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8015M/D		1	11832	AT	EET ALB	09/09/24 06:10

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-10998-1

Client Sample ID: P2-B-6A

Lab Sample ID: 885-10998-30

Date Collected: 08/29/24 14:16

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8021B		1	11834	AT	EET ALB	09/09/24 06:10
Total/NA	Prep	SHAKE			11592	EM	EET ALB	09/04/24 12:18
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 22:29
Total/NA	Prep	300_Prep			11622	EH	EET ALB	09/04/24 16:58
Total/NA	Analysis	300.0		20	11669	EH	EET ALB	09/05/24 18:53

Client Sample ID: P2-B13

Lab Sample ID: 885-10998-31

Date Collected: 08/29/24 14:20

Matrix: Solid

Date Received: 08/31/24 09:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8015M/D		1	11832	AT	EET ALB	09/09/24 06:32
Total/NA	Prep	5030C			11537	JP	EET ALB	09/03/24 16:02
Total/NA	Analysis	8021B		1	11834	AT	EET ALB	09/09/24 06:32
Total/NA	Prep	SHAKE			11592	EM	EET ALB	09/04/24 12:18
Total/NA	Analysis	8015M/D		1	11566	EM	EET ALB	09/04/24 22:41
Total/NA	Prep	300_Prep			11622	EH	EET ALB	09/04/24 16:58
Total/NA	Analysis	300.0		20	11669	EH	EET ALB	09/05/24 19:05

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-10998-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 5.4 ± 0 = 5.4 °C



4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
8/29/24	1308	SOIL	P2-B-36A	1x4oz Jar	ICE	13
	1312		P2-B-41A			14
	1320		P2-B-43A			15
	1324		P2-B-40A			16
	1326		P2-B-39A			17
	1328		P2-B-37A			18
	1330		P2-B-46A			19
	1332		P2-B-47A			20
	1334		P2-B-50A			21
	1336		P2-B-51A			22
	1340		P2-B-53A			23
	1342		P2-B-23A			24

BTEX (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
Chloride (EPA 300)	X

Remarks: Bill to EOG Artesia

Received by: [Signature] Date: 8/30/24 Time: 8:30
 Received by: [Signature] Date: 8/31/24 Time: 9:30

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.





HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Turn-Around Time:
 Standard Rush **5 DAY TAT**
 Project Name: **ROY SWD #3**
 Project #: **5375**

Project Manager: **W. Kierdorf**
 Sampler: **J. Martinez**
 On Ice: Yes No **yes**
 # of Coolers: **1**
 Cooler Temp (including CF): **5.4 ± 0 = 5.4 °C**

Container Type and #	Preservative Type	HEAL No.
1x4oz Jar	ICE	25
		26
		27
		28
		29
		30
		31

BTEX (8021) **X**
 TPH:8015D(GRO / DRO / MRO) **X**
 Chloride (EPA 300) **X**

Client: **EOG-Artesia / Ranger Env.**
 Mailing Address: **EOG - 105 S 4th St, Artesia NM, 88210**
 Ranger: **PO Box 201179, Austin TX 78720**
 Phone #: **521-335-1785**
 email or Fax#: **Will@RangerEnv.com**
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) Excel

Date	Time	Matrix	Sample Name	Relinquished by:	Date	Time
8/29/24	1400	SOIL	P2-B-29A	<i>[Signature]</i>	8/30/24	8:30
	1404		P2-B-52A			
	1408		P2-B-14A			
	1410		P2-B-30A			
	1412		P2-B-1A			
	1416		P2-B-6A			
	1420		P2-B13			

Received by: *[Signature]* Date: **8/30/24** Time: **8:30**
 Received by: *[Signature]* Date: **8/31/24** Time: **9:30**

Remarks: **Bill to EOG Artesia**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-10998-1

Login Number: 10998

List Number: 1

Creator: Casarrubias, Tracy

List Source: Eurofins Albuquerque

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 10/3/2024 3:25:08 PM

JOB DESCRIPTION

Roy SWD#3

JOB NUMBER

885-12151-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
10/3/2024 3:25:08 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Laboratory Job ID: 885-12151-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
♠	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD#3

Job ID: 885-12151-1

Job ID: 885-12151-1

Eurofins Albuquerque

Job Narrative 885-12151-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/19/2024 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-12924 and analytical batch 885-12906 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-W31

Lab Sample ID: 885-12151-1

Date Collected: 09/17/24 09:20

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/20/24 10:24	09/23/24 16:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 16:01	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 16:01	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 16:01	1
Xylenes, Total	ND		0.095	mg/Kg		09/20/24 10:24	09/23/24 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			09/20/24 10:24	09/23/24 16:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 14:02	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 10:34	09/23/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/23/24 10:34	09/23/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		09/24/24 16:18	09/24/24 21:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W32

Lab Sample ID: 885-12151-2

Date Collected: 09/17/24 09:24

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/20/24 10:24	09/23/24 17:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 17:06	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 17:06	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 17:06	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 10:24	09/23/24 17:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			09/20/24 10:24	09/23/24 17:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 14:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/23/24 10:34	09/23/24 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		09/24/24 16:18	09/24/24 22:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W33

Lab Sample ID: 885-12151-3

Date Collected: 09/17/24 09:26

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 10:24	09/23/24 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/20/24 10:24	09/23/24 18:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 18:11	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 18:11	1
Toluene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 18:11	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 10:24	09/23/24 18:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			09/20/24 10:24	09/23/24 18:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/23/24 10:34	09/23/24 14:23	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 10:34	09/23/24 14:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	97		62 - 134			09/23/24 10:34	09/23/24 14:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		09/24/24 16:18	09/24/24 23:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W34

Lab Sample ID: 885-12151-4

Date Collected: 09/17/24 09:30

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/20/24 10:24	09/23/24 18:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 18:33	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 18:33	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 18:33	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 10:24	09/23/24 18:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 10:24	09/23/24 18:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 14:34	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			09/23/24 10:34	09/23/24 14:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		61	mg/Kg		09/24/24 16:18	09/24/24 23:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W35

Lab Sample ID: 885-12151-5

Date Collected: 09/17/24 09:34

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 10:24	09/23/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			09/20/24 10:24	09/23/24 18:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 18:55	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 18:55	1
Toluene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 18:55	1
Xylenes, Total	ND		0.098	mg/Kg		09/20/24 10:24	09/23/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			09/20/24 10:24	09/23/24 18:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 14:44	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 14:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/23/24 10:34	09/23/24 14:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	770		60	mg/Kg		09/24/24 16:18	09/24/24 23:40	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W36

Lab Sample ID: 885-12151-6

Date Collected: 09/17/24 09:36

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/20/24 10:24	09/23/24 19:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 19:16	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 19:16	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 19:16	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 10:24	09/23/24 19:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			09/20/24 10:24	09/23/24 19:16	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 14:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	107		62 - 134			09/23/24 10:34	09/23/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		60	mg/Kg		09/24/24 16:18	09/24/24 23:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW1

Lab Sample ID: 885-12151-7

Date Collected: 09/17/24 10:10

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 10:24	09/23/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/20/24 10:24	09/23/24 19:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 19:38	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 19:38	1
Toluene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 19:38	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 10:24	09/23/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			09/20/24 10:24	09/23/24 19:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/23/24 10:34	09/23/24 15:06	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/23/24 10:34	09/23/24 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		09/24/24 16:18	09/25/24 00:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW2

Lab Sample ID: 885-12151-8

Date Collected: 09/17/24 10:20

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/20/24 10:24	09/23/24 19:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 19:59	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 19:59	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 19:59	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 10:24	09/23/24 19:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			09/20/24 10:24	09/23/24 19:59	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 15:17	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	99		62 - 134			09/23/24 10:34	09/23/24 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		09/24/24 16:18	09/25/24 00:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW2.2

Lab Sample ID: 885-12151-9

Date Collected: 09/17/24 10:24

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 20:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			09/20/24 10:24	09/23/24 20:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 20:21	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 20:21	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 20:21	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 10:24	09/23/24 20:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 10:24	09/23/24 20:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 15:38	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	100		62 - 134			09/23/24 10:34	09/23/24 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3700		150	mg/Kg		09/24/24 16:18	09/25/24 17:09	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW3

Lab Sample ID: 885-12151-10

Date Collected: 09/17/24 10:26

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/20/24 10:24	09/23/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/20/24 10:24	09/23/24 20:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 10:24	09/23/24 20:43	1
Ethylbenzene	ND		0.047	mg/Kg		09/20/24 10:24	09/23/24 20:43	1
Toluene	ND		0.047	mg/Kg		09/20/24 10:24	09/23/24 20:43	1
Xylenes, Total	ND		0.094	mg/Kg		09/20/24 10:24	09/23/24 20:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 10:24	09/23/24 20:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 15:49	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 15:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	99		62 - 134			09/23/24 10:34	09/23/24 15:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		61	mg/Kg		09/24/24 16:18	09/25/24 00:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW4

Lab Sample ID: 885-12151-11

Date Collected: 09/17/24 10:30

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 10:24	09/23/24 21:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			09/20/24 10:24	09/23/24 21:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 21:26	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 21:26	1
Toluene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 21:26	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 10:24	09/23/24 21:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 10:24	09/23/24 21:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/23/24 10:34	09/23/24 16:00	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 10:34	09/23/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			09/23/24 10:34	09/23/24 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		61	mg/Kg		09/24/24 16:18	09/25/24 01:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW5

Lab Sample ID: 885-12151-12

Date Collected: 09/17/24 10:32

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 10:24	09/23/24 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			09/20/24 10:24	09/23/24 21:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 21:48	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 21:48	1
Toluene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 21:48	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 10:24	09/23/24 21:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 10:24	09/23/24 21:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 16:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/23/24 10:34	09/23/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		09/24/24 16:18	09/25/24 02:01	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW6

Lab Sample ID: 885-12151-13

Date Collected: 09/17/24 10:34

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 10:24	09/23/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/20/24 10:24	09/23/24 22:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 22:10	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 22:10	1
Toluene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 22:10	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 10:24	09/23/24 22:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			09/20/24 10:24	09/23/24 22:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 10:34	09/23/24 16:21	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	100		62 - 134			09/23/24 10:34	09/23/24 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		09/24/24 16:18	09/25/24 02:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW7

Lab Sample ID: 885-12151-14

Date Collected: 09/17/24 10:46

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 10:24	09/23/24 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/20/24 10:24	09/23/24 22:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 22:32	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 22:32	1
Toluene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 22:32	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 10:24	09/23/24 22:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			09/20/24 10:24	09/23/24 22:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 16:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			09/23/24 10:34	09/23/24 16:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/24/24 16:18	09/25/24 02:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW8

Lab Sample ID: 885-12151-15

Date Collected: 09/17/24 10:48

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 10:24	09/23/24 23:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/20/24 10:24	09/23/24 23:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 23:15	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 23:15	1
Toluene	ND		0.049	mg/Kg		09/20/24 10:24	09/23/24 23:15	1
Xylenes, Total	ND		0.098	mg/Kg		09/20/24 10:24	09/23/24 23:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 10:24	09/23/24 23:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/23/24 10:34	09/23/24 16:43	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/23/24 10:34	09/23/24 16:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	88		62 - 134			09/23/24 10:34	09/23/24 16:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		60	mg/Kg		09/24/24 16:18	09/25/24 02:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW9

Lab Sample ID: 885-12151-16

Date Collected: 09/17/24 10:50

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 10:24	09/23/24 23:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/20/24 10:24	09/23/24 23:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 23:37	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 23:37	1
Toluene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 23:37	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 10:24	09/23/24 23:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			09/20/24 10:24	09/23/24 23:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 10:34	09/23/24 16:54	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 10:34	09/23/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	93		62 - 134			09/23/24 10:34	09/23/24 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		09/24/24 16:18	09/25/24 02:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW10

Lab Sample ID: 885-12151-17

Date Collected: 09/17/24 11:20

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/24/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			09/20/24 11:17	09/24/24 17:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 17:25	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 17:25	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 17:25	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 11:17	09/24/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 17:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 10:34	09/23/24 17:05	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 17:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			09/23/24 10:34	09/23/24 17:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		150	mg/Kg		09/24/24 16:18	09/25/24 17:22	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW11

Lab Sample ID: 885-12151-18

Date Collected: 09/17/24 11:22

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 10:24	09/23/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/20/24 10:24	09/23/24 23:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 10:24	09/23/24 23:58	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 23:58	1
Toluene	ND		0.048	mg/Kg		09/20/24 10:24	09/23/24 23:58	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 10:24	09/23/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 10:24	09/23/24 23:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 10:34	09/23/24 17:16	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:34	09/23/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	90		62 - 134			09/23/24 10:34	09/23/24 17:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		60	mg/Kg		09/24/24 16:18	09/25/24 03:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW12

Lab Sample ID: 885-12151-19

Date Collected: 09/17/24 11:24

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/24/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			09/20/24 11:17	09/24/24 18:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 18:31	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 18:31	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 18:31	1
Xylenes, Total	ND		0.098	mg/Kg		09/20/24 11:17	09/24/24 18:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 18:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 10:35	09/23/24 17:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 10:35	09/23/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	93		62 - 134			09/23/24 10:35	09/23/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		150	mg/Kg		09/24/24 16:18	09/25/24 17:35	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW13

Lab Sample ID: 885-12151-20

Date Collected: 09/17/24 11:26

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 11:17	09/24/24 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/20/24 11:17	09/24/24 19:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/24/24 19:36	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 19:36	1
Toluene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 19:36	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 11:17	09/24/24 19:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 11:17	09/24/24 19:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/23/24 10:35	09/23/24 17:48	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 10:35	09/23/24 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/23/24 10:35	09/23/24 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		09/24/24 16:18	09/25/24 04:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW14

Lab Sample ID: 885-12151-21

Date Collected: 09/17/24 11:30

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/24/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/20/24 11:17	09/24/24 19:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/24/24 19:57	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 19:57	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 19:57	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 11:17	09/24/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/20/24 11:17	09/24/24 19:57	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/23/24 13:01	09/23/24 18:55	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 13:01	09/23/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/23/24 13:01	09/23/24 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		61	mg/Kg		09/24/24 15:58	09/24/24 19:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW15

Lab Sample ID: 885-12151-22

Date Collected: 09/17/24 11:32

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/24/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			09/20/24 11:17	09/24/24 20:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 20:19	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 20:19	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 20:19	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 11:17	09/24/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/20/24 11:17	09/24/24 20:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/23/24 13:01	09/23/24 19:06	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/23/24 13:01	09/23/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/23/24 13:01	09/23/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		09/24/24 15:58	09/24/24 20:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW16

Lab Sample ID: 885-12151-23

Date Collected: 09/17/24 11:34

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/24/24 20:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/20/24 11:17	09/24/24 20:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 20:41	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 20:41	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 20:41	1
Xylenes, Total	ND		0.095	mg/Kg		09/20/24 11:17	09/24/24 20:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 11:17	09/24/24 20:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/23/24 13:01	09/23/24 19:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 13:01	09/23/24 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/23/24 13:01	09/23/24 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		60	mg/Kg		09/24/24 15:58	09/24/24 20:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW17

Lab Sample ID: 885-12151-24

Date Collected: 09/17/24 11:40

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/24/24 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			09/20/24 11:17	09/24/24 21:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 21:03	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 21:03	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 21:03	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 11:17	09/24/24 21:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 11:17	09/24/24 21:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/23/24 13:01	09/23/24 19:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/23/24 13:01	09/23/24 19:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/23/24 13:01	09/23/24 19:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		60	mg/Kg		09/24/24 15:58	09/24/24 20:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW18

Lab Sample ID: 885-12151-25

Date Collected: 09/17/24 11:42

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/24/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			09/20/24 11:17	09/24/24 21:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 21:24	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 21:24	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/24/24 21:24	1
Xylenes, Total	ND		0.095	mg/Kg		09/20/24 11:17	09/24/24 21:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 21:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 13:01	09/23/24 19:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 13:01	09/23/24 19:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/23/24 13:01	09/23/24 19:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		60	mg/Kg		09/24/24 15:58	09/24/24 21:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-60

Lab Sample ID: 885-12151-26

Date Collected: 09/17/24 14:00

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/24/24 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/20/24 11:17	09/24/24 21:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 21:46	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 21:46	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 21:46	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 11:17	09/24/24 21:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 21:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 13:01	09/23/24 19:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 19:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			09/23/24 13:01	09/23/24 19:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		60	mg/Kg		09/24/24 15:58	09/24/24 21:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-61

Lab Sample ID: 885-12151-27

Date Collected: 09/17/24 14:02

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/20/24 11:17	09/24/24 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/20/24 11:17	09/24/24 22:08	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 11:17	09/24/24 22:08	1
Ethylbenzene	ND		0.046	mg/Kg		09/20/24 11:17	09/24/24 22:08	1
Toluene	ND		0.046	mg/Kg		09/20/24 11:17	09/24/24 22:08	1
Xylenes, Total	ND		0.092	mg/Kg		09/20/24 11:17	09/24/24 22:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 22:08	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/23/24 13:01	09/23/24 20:02	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/23/24 13:01	09/23/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/23/24 13:01	09/23/24 20:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/24/24 15:58	09/24/24 21:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-62

Lab Sample ID: 885-12151-28

Date Collected: 09/17/24 14:06

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/20/24 11:17	09/24/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			09/20/24 11:17	09/24/24 22:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 11:17	09/24/24 22:51	1
Ethylbenzene	ND		0.047	mg/Kg		09/20/24 11:17	09/24/24 22:51	1
Toluene	ND		0.047	mg/Kg		09/20/24 11:17	09/24/24 22:51	1
Xylenes, Total	ND		0.093	mg/Kg		09/20/24 11:17	09/24/24 22:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			09/20/24 11:17	09/24/24 22:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 13:01	09/23/24 20:13	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			09/23/24 13:01	09/23/24 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/24/24 15:58	09/24/24 22:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-63

Lab Sample ID: 885-12151-29

Date Collected: 09/17/24 14:08

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 11:17	09/24/24 23:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/20/24 11:17	09/24/24 23:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/24/24 23:13	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 23:13	1
Toluene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 23:13	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 11:17	09/24/24 23:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			09/20/24 11:17	09/24/24 23:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 13:01	09/23/24 20:35	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 13:01	09/23/24 20:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			09/23/24 13:01	09/23/24 20:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		09/24/24 15:58	09/24/24 22:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-64

Lab Sample ID: 885-12151-30

Date Collected: 09/17/24 14:10

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/24/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			09/20/24 11:17	09/24/24 23:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/24/24 23:35	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 23:35	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 23:35	1
Xylenes, Total	ND		0.099	mg/Kg		09/20/24 11:17	09/24/24 23:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			09/20/24 11:17	09/24/24 23:35	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/23/24 13:01	09/23/24 20:46	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/23/24 13:01	09/23/24 20:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			09/23/24 13:01	09/23/24 20:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		09/24/24 15:58	09/24/24 22:36	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-65

Lab Sample ID: 885-12151-31

Date Collected: 09/17/24 14:12

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/24/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			09/20/24 11:17	09/24/24 23:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/24/24 23:56	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 23:56	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/24/24 23:56	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 11:17	09/24/24 23:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/20/24 11:17	09/24/24 23:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 13:01	09/23/24 20:57	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 20:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/23/24 13:01	09/23/24 20:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68	F1	60	mg/Kg		09/24/24 15:58	09/24/24 22:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-66

Lab Sample ID: 885-12151-32

Date Collected: 09/17/24 14:14

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/25/24 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			09/20/24 11:17	09/25/24 00:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/25/24 00:18	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 00:18	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 00:18	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 11:17	09/25/24 00:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/20/24 11:17	09/25/24 00:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 13:01	09/23/24 21:08	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 21:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			09/23/24 13:01	09/23/24 21:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		09/24/24 15:58	09/24/24 23:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-67

Lab Sample ID: 885-12151-33

Date Collected: 09/17/24 14:16

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 11:17	09/25/24 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		35 - 166			09/20/24 11:17	09/25/24 00:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/25/24 00:40	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 11:17	09/25/24 00:40	1
Toluene	ND		0.049	mg/Kg		09/20/24 11:17	09/25/24 00:40	1
Xylenes, Total	ND		0.098	mg/Kg		09/20/24 11:17	09/25/24 00:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 11:17	09/25/24 00:40	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/23/24 13:01	09/23/24 21:19	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 13:01	09/23/24 21:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/23/24 13:01	09/23/24 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5200		150	mg/Kg		09/24/24 15:58	09/25/24 15:39	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-68

Lab Sample ID: 885-12151-34

Date Collected: 09/17/24 14:20

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/25/24 01:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/20/24 11:17	09/25/24 01:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/25/24 01:02	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 01:02	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 01:02	1
Xylenes, Total	ND		0.096	mg/Kg		09/20/24 11:17	09/25/24 01:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/20/24 11:17	09/25/24 01:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 13:01	09/23/24 21:30	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 21:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/23/24 13:01	09/23/24 21:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6300		300	mg/Kg		09/24/24 15:58	09/25/24 15:52	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-69

Lab Sample ID: 885-12151-35

Date Collected: 09/17/24 14:24

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/20/24 11:17	09/25/24 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		35 - 166			09/20/24 11:17	09/25/24 01:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 11:17	09/25/24 01:23	1
Ethylbenzene	ND		0.046	mg/Kg		09/20/24 11:17	09/25/24 01:23	1
Toluene	ND		0.046	mg/Kg		09/20/24 11:17	09/25/24 01:23	1
Xylenes, Total	ND		0.092	mg/Kg		09/20/24 11:17	09/25/24 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/20/24 11:17	09/25/24 01:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 13:01	09/23/24 21:41	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/23/24 13:01	09/23/24 21:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	95		62 - 134			09/23/24 13:01	09/23/24 21:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		60	mg/Kg		09/24/24 15:58	09/25/24 00:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-70

Lab Sample ID: 885-12151-36

Date Collected: 09/17/24 14:30

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/20/24 11:17	09/25/24 01:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/20/24 11:17	09/25/24 01:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/25/24 01:45	1
Ethylbenzene	ND		0.047	mg/Kg		09/20/24 11:17	09/25/24 01:45	1
Toluene	ND		0.047	mg/Kg		09/20/24 11:17	09/25/24 01:45	1
Xylenes, Total	ND		0.095	mg/Kg		09/20/24 11:17	09/25/24 01:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			09/20/24 11:17	09/25/24 01:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/23/24 13:01	09/23/24 21:52	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/23/24 13:01	09/23/24 21:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			09/23/24 13:01	09/23/24 21:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		60	mg/Kg		09/24/24 15:58	09/25/24 00:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-71

Lab Sample ID: 885-12151-37

Date Collected: 09/17/24 14:32

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/20/24 11:17	09/25/24 02:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			09/20/24 11:17	09/25/24 02:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/20/24 11:17	09/25/24 02:07	1
Ethylbenzene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 02:07	1
Toluene	ND		0.048	mg/Kg		09/20/24 11:17	09/25/24 02:07	1
Xylenes, Total	ND		0.097	mg/Kg		09/20/24 11:17	09/25/24 02:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			09/20/24 11:17	09/25/24 02:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/23/24 13:01	09/23/24 22:03	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 22:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/23/24 13:01	09/23/24 22:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		09/24/24 15:58	09/25/24 00:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-72

Lab Sample ID: 885-12151-38

Date Collected: 09/17/24 14:40

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/20/24 14:22	09/23/24 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			09/20/24 14:22	09/23/24 19:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 14:22	09/23/24 19:29	1
Ethylbenzene	ND		0.046	mg/Kg		09/20/24 14:22	09/23/24 19:29	1
Toluene	ND		0.046	mg/Kg		09/20/24 14:22	09/23/24 19:29	1
Xylenes, Total	ND		0.092	mg/Kg		09/20/24 14:22	09/23/24 19:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			09/20/24 14:22	09/23/24 19:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/23/24 13:01	09/23/24 22:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/23/24 13:01	09/23/24 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			09/23/24 13:01	09/23/24 22:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		09/24/24 15:58	09/25/24 01:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W28A

Lab Sample ID: 885-12151-39

Date Collected: 09/17/24 14:44

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/20/24 14:22	09/23/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/20/24 14:22	09/23/24 20:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 14:22	09/23/24 20:40	1
Ethylbenzene	ND		0.049	mg/Kg		09/20/24 14:22	09/23/24 20:40	1
Toluene	ND		0.049	mg/Kg		09/20/24 14:22	09/23/24 20:40	1
Xylenes, Total	ND		0.098	mg/Kg		09/20/24 14:22	09/23/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			09/20/24 14:22	09/23/24 20:40	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/23/24 13:01	09/23/24 22:36	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/23/24 13:01	09/23/24 22:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/23/24 13:01	09/23/24 22:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2700		150	mg/Kg		09/24/24 15:58	09/25/24 16:44	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW6.6

Lab Sample ID: 885-12151-40

Date Collected: 09/17/24 10:40

Matrix: Solid

Date Received: 09/19/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/20/24 14:22	09/23/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/20/24 14:22	09/23/24 21:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/20/24 14:22	09/23/24 21:51	1
Ethylbenzene	ND		0.047	mg/Kg		09/20/24 14:22	09/23/24 21:51	1
Toluene	ND		0.047	mg/Kg		09/20/24 14:22	09/23/24 21:51	1
Xylenes, Total	ND		0.093	mg/Kg		09/20/24 14:22	09/23/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			09/20/24 14:22	09/23/24 21:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		09/23/24 13:01	09/23/24 22:47	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/23/24 13:01	09/23/24 22:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/23/24 13:01	09/23/24 22:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7400		300	mg/Kg		09/24/24 15:58	09/25/24 16:56	100

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-12622/1-A
Matrix: Solid
Analysis Batch: 12865

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12622

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 10:24	09/23/24 14:34	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			09/20/24 10:24	09/23/24 14:34	1

Lab Sample ID: LCS 885-12622/2-A
Matrix: Solid
Analysis Batch: 12865

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.2		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	221		35 - 166				

Lab Sample ID: 885-12151-1 MS
Matrix: Solid
Analysis Batch: 12865

Client Sample ID: PS-W31
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		23.9	22.7		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	217		35 - 166						

Lab Sample ID: 885-12151-1 MSD
Matrix: Solid
Analysis Batch: 12865

Client Sample ID: PS-W31
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		23.9	24.2		mg/Kg		101	70 - 130	6	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	222		35 - 166								

Lab Sample ID: MB 885-12630/1-A
Matrix: Solid
Analysis Batch: 12983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12630

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 11:17	09/24/24 17:04	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-12630/1-A
 Matrix: Solid
 Analysis Batch: 12983

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12630

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166	09/20/24 11:17	09/24/24 17:04	1

Lab Sample ID: LCS 885-12630/2-A
 Matrix: Solid
 Analysis Batch: 12983

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12630

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.2		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	212		35 - 166

Lab Sample ID: 885-12151-17 MS
 Matrix: Solid
 Analysis Batch: 12983

Client Sample ID: P2-IW10
 Prep Type: Total/NA
 Prep Batch: 12630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.0	21.5		mg/Kg		90	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	199		35 - 166

Lab Sample ID: 885-12151-17 MSD
 Matrix: Solid
 Analysis Batch: 12983

Client Sample ID: P2-IW10
 Prep Type: Total/NA
 Prep Batch: 12630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.1	23.3		mg/Kg		97	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	215		35 - 166

Lab Sample ID: MB 885-12663/1-A
 Matrix: Solid
 Analysis Batch: 12849

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12663

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/20/24 14:22	09/23/24 17:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166	09/20/24 14:22	09/23/24 17:56	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-12663/2-A
Matrix: Solid
Analysis Batch: 12849

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.3		mg/Kg		101	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	212		35 - 166				

Lab Sample ID: 885-12151-38 MS
Matrix: Solid
Analysis Batch: 12849

Client Sample ID: PS-72
Prep Type: Total/NA
Prep Batch: 12663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		23.0	22.5		mg/Kg		98	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	210		35 - 166						

Lab Sample ID: 885-12151-38 MSD
Matrix: Solid
Analysis Batch: 12849

Client Sample ID: PS-72
Prep Type: Total/NA
Prep Batch: 12663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		23.1	22.7		mg/Kg		98	70 - 130	1	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	212		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12622/1-A
Matrix: Solid
Analysis Batch: 12867

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12622

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 10:24	09/23/24 14:34	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 14:34	1
Toluene	ND		0.050	mg/Kg		09/20/24 10:24	09/23/24 14:34	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 10:24	09/23/24 14:34	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	103		48 - 145	09/20/24 10:24	09/23/24 14:34	1		

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-12622/3-A
Matrix: Solid
Analysis Batch: 12867

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.990		mg/Kg		99	70 - 130
Ethylbenzene	1.00	1.03		mg/Kg		103	70 - 130
Toluene	1.00	1.02		mg/Kg		102	70 - 130
m-Xylene & p-Xylene	2.00	2.04		mg/Kg		102	70 - 130
o-Xylene	1.00	0.991		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		48 - 145

Lab Sample ID: 885-12151-2 MS
Matrix: Solid
Analysis Batch: 12867

Client Sample ID: P2-W32
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.967	0.951		mg/Kg		98	70 - 130
Ethylbenzene	ND		0.967	0.978		mg/Kg		99	70 - 130
Toluene	ND		0.967	0.973		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	ND		1.93	1.94		mg/Kg		100	70 - 130
o-Xylene	ND		0.967	0.954		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		48 - 145

Lab Sample ID: 885-12151-2 MSD
Matrix: Solid
Analysis Batch: 12867

Client Sample ID: P2-W32
Prep Type: Total/NA
Prep Batch: 12622

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.961	0.915		mg/Kg		95	70 - 130	4	20
Ethylbenzene	ND		0.961	0.977		mg/Kg		100	70 - 130	0	20
Toluene	ND		0.961	0.958		mg/Kg		100	70 - 130	2	20
m-Xylene & p-Xylene	ND		1.92	1.94		mg/Kg		101	70 - 130	0	20
o-Xylene	ND		0.961	0.945		mg/Kg		98	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: MB 885-12630/1-A
Matrix: Solid
Analysis Batch: 12984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12630

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 11:17	09/24/24 17:04	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 17:04	1
Toluene	ND		0.050	mg/Kg		09/20/24 11:17	09/24/24 17:04	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 11:17	09/24/24 17:04	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-12630/1-A
Matrix: Solid
Analysis Batch: 12984

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12630

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		48 - 145	09/20/24 11:17	09/24/24 17:04	1

Lab Sample ID: LCS 885-12630/3-A
Matrix: Solid
Analysis Batch: 12984

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12630

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.05		mg/Kg		105	70 - 130
Ethylbenzene	1.00	1.06		mg/Kg		106	70 - 130
Toluene	1.00	1.06		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	2.00	2.10		mg/Kg		105	70 - 130
o-Xylene	1.00	1.05		mg/Kg		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: 885-12151-19 MS
Matrix: Solid
Analysis Batch: 12984

Client Sample ID: P2-IW12
Prep Type: Total/NA
Prep Batch: 12630

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	ND		0.972	0.981		mg/Kg		101	70 - 130
Ethylbenzene	ND		0.972	1.02		mg/Kg		105	70 - 130
Toluene	ND		0.972	1.01		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	ND		1.94	2.03		mg/Kg		105	70 - 130
o-Xylene	ND		0.972	0.989		mg/Kg		102	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		48 - 145

Lab Sample ID: 885-12151-19 MSD
Matrix: Solid
Analysis Batch: 12984

Client Sample ID: P2-IW12
Prep Type: Total/NA
Prep Batch: 12630

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Benzene	ND		0.972	0.971		mg/Kg		100	70 - 130	1	20
Ethylbenzene	ND		0.972	1.02		mg/Kg		105	70 - 130	0	20
Toluene	ND		0.972	1.01		mg/Kg		104	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.94	2.02		mg/Kg		104	70 - 130	0	20
o-Xylene	ND		0.972	0.993		mg/Kg		102	70 - 130	0	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-12663/1-A
 Matrix: Solid
 Analysis Batch: 12850

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12663

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/20/24 14:22	09/23/24 17:56	1
Ethylbenzene	ND		0.050	mg/Kg		09/20/24 14:22	09/23/24 17:56	1
Toluene	ND		0.050	mg/Kg		09/20/24 14:22	09/23/24 17:56	1
Xylenes, Total	ND		0.10	mg/Kg		09/20/24 14:22	09/23/24 17:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145	09/20/24 14:22	09/23/24 17:56	1

Lab Sample ID: LCS 885-12663/3-A
 Matrix: Solid
 Analysis Batch: 12850

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.939		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.984		mg/Kg		98	70 - 130
Toluene	1.00	0.964		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	2.00	1.96		mg/Kg		98	70 - 130
o-Xylene	1.00	0.955		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		48 - 145

Lab Sample ID: 885-12151-39 MS
 Matrix: Solid
 Analysis Batch: 12850

Client Sample ID: P2-W28A
 Prep Type: Total/NA
 Prep Batch: 12663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.977	0.944		mg/Kg		97	70 - 130
Ethylbenzene	ND		0.977	0.996		mg/Kg		102	70 - 130
Toluene	ND		0.977	0.984		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	ND		1.95	2.02		mg/Kg		102	70 - 130
o-Xylene	ND		0.977	0.973		mg/Kg		100	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		48 - 145

Lab Sample ID: 885-12151-39 MSD
 Matrix: Solid
 Analysis Batch: 12850

Client Sample ID: P2-W28A
 Prep Type: Total/NA
 Prep Batch: 12663

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.973	0.921		mg/Kg		95	70 - 130	2	20
Ethylbenzene	ND		0.973	0.981		mg/Kg		101	70 - 130	2	20
Toluene	ND		0.973	0.964		mg/Kg		98	70 - 130	2	20
m-Xylene & p-Xylene	ND		1.95	1.96		mg/Kg		100	70 - 130	3	20
o-Xylene	ND		0.973	0.958		mg/Kg		98	70 - 130	2	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-12151-39 MSD
 Matrix: Solid
 Analysis Batch: 12850

Client Sample ID: P2-W28A
 Prep Type: Total/NA
 Prep Batch: 12663

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12763/1-A
 Matrix: Solid
 Analysis Batch: 12749

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12763

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/23/24 10:34	09/23/24 13:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 10:34	09/23/24 13:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134	09/23/24 10:34	09/23/24 13:40	1

Lab Sample ID: LCS 885-12763/2-A
 Matrix: Solid
 Analysis Batch: 12749

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.2		mg/Kg		98	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	99		62 - 134

Lab Sample ID: 885-12151-20 MS
 Matrix: Solid
 Analysis Batch: 12749

Client Sample ID: P2-IW13
 Prep Type: Total/NA
 Prep Batch: 12763

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.9	46.7		mg/Kg		100	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	104		62 - 134

Lab Sample ID: 885-12151-20 MSD
 Matrix: Solid
 Analysis Batch: 12749

Client Sample ID: P2-IW13
 Prep Type: Total/NA
 Prep Batch: 12763

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		46.7	46.1		mg/Kg		99	44 - 136	1	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	101		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-12773/1-A
Matrix: Solid
Analysis Batch: 12749

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12773

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/23/24 13:01	09/23/24 18:33	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/23/24 13:01	09/23/24 18:33	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/23/24 13:01	09/23/24 18:33	1

Lab Sample ID: LCS 885-12773/2-A
Matrix: Solid
Analysis Batch: 12749

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12773

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	44.2		mg/Kg		88	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	95		62 - 134				

Lab Sample ID: 885-12151-40 MS
Matrix: Solid
Analysis Batch: 12749

Client Sample ID: P2-IW6.6
Prep Type: Total/NA
Prep Batch: 12773

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.4	44.8		mg/Kg		96	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	102		62 - 134						

Lab Sample ID: 885-12151-40 MSD
Matrix: Solid
Analysis Batch: 12749

Client Sample ID: P2-IW6.6
Prep Type: Total/NA
Prep Batch: 12773

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.7	45.9		mg/Kg		96	44 - 136	3	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	101		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12924/1-A
Matrix: Solid
Analysis Batch: 12906

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12924

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/24/24 15:58	09/24/24 19:23	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-12924/2-A
Matrix: Solid
Analysis Batch: 12906

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12924

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.8		mg/Kg		99	90 - 110

Lab Sample ID: 885-12151-21 MS
Matrix: Solid
Analysis Batch: 12906

Client Sample ID: P2-IW14
Prep Type: Total/NA
Prep Batch: 12924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190		30.1	228	4	mg/Kg		119	50 - 150

Lab Sample ID: 885-12151-21 MSD
Matrix: Solid
Analysis Batch: 12906

Client Sample ID: P2-IW14
Prep Type: Total/NA
Prep Batch: 12924

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		30.1	219	4	mg/Kg		91	50 - 150	4	20

Lab Sample ID: 885-12151-31 MS
Matrix: Solid
Analysis Batch: 12906

Client Sample ID: PS-65
Prep Type: Total/NA
Prep Batch: 12924

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68	F1	29.9	108		mg/Kg		133	50 - 150

Lab Sample ID: MB 885-12930/1-A
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12930

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/24/24 16:18	09/24/24 21:31	1

Lab Sample ID: LCS 885-12930/2-A
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12930

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	31.7		mg/Kg		106	90 - 110

Lab Sample ID: 885-12151-1 MS
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: PS-W31
Prep Type: Total/NA
Prep Batch: 12930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	140		30.2	198	4	mg/Kg		177	50 - 150

Lab Sample ID: 885-12151-1 MSD
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: PS-W31
Prep Type: Total/NA
Prep Batch: 12930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	140		29.9	172	4	mg/Kg		91	50 - 150	14	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-12151-11 MS
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: P2-IW4
Prep Type: Total/NA
Prep Batch: 12930

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	330		30.1	354	4	mg/Kg		76	50 - 150

Lab Sample ID: 885-12151-11 MSD
Matrix: Solid
Analysis Batch: 12981

Client Sample ID: P2-IW4
Prep Type: Total/NA
Prep Batch: 12930

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	330		30.1	347	4	mg/Kg		53	50 - 150	2	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC VOA

Prep Batch: 12622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	5030C	
885-12151-2	P2-W32	Total/NA	Solid	5030C	
885-12151-3	P2-W33	Total/NA	Solid	5030C	
885-12151-4	P2-W34	Total/NA	Solid	5030C	
885-12151-5	P2-W35	Total/NA	Solid	5030C	
885-12151-6	P2-W36	Total/NA	Solid	5030C	
885-12151-7	P2-IW1	Total/NA	Solid	5030C	
885-12151-8	P2-IW2	Total/NA	Solid	5030C	
885-12151-9	P2-IW2.2	Total/NA	Solid	5030C	
885-12151-10	P2-IW3	Total/NA	Solid	5030C	
885-12151-11	P2-IW4	Total/NA	Solid	5030C	
885-12151-12	P2-IW5	Total/NA	Solid	5030C	
885-12151-13	P2-IW6	Total/NA	Solid	5030C	
885-12151-14	P2-IW7	Total/NA	Solid	5030C	
885-12151-15	P2-IW8	Total/NA	Solid	5030C	
885-12151-16	P2-IW9	Total/NA	Solid	5030C	
885-12151-18	P2-IW11	Total/NA	Solid	5030C	
MB 885-12622/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12622/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12622/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-12151-1 MS	PS-W31	Total/NA	Solid	5030C	
885-12151-1 MSD	PS-W31	Total/NA	Solid	5030C	
885-12151-2 MS	P2-W32	Total/NA	Solid	5030C	
885-12151-2 MSD	P2-W32	Total/NA	Solid	5030C	

Prep Batch: 12630

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-17	P2-IW10	Total/NA	Solid	5030C	
885-12151-19	P2-IW12	Total/NA	Solid	5030C	
885-12151-20	P2-IW13	Total/NA	Solid	5030C	
885-12151-21	P2-IW14	Total/NA	Solid	5030C	
885-12151-22	P2-IW15	Total/NA	Solid	5030C	
885-12151-23	P2-IW16	Total/NA	Solid	5030C	
885-12151-24	P2-IW17	Total/NA	Solid	5030C	
885-12151-25	P2-IW18	Total/NA	Solid	5030C	
885-12151-26	PS-60	Total/NA	Solid	5030C	
885-12151-27	PS-61	Total/NA	Solid	5030C	
885-12151-28	PS-62	Total/NA	Solid	5030C	
885-12151-29	PS-63	Total/NA	Solid	5030C	
885-12151-30	PS-64	Total/NA	Solid	5030C	
885-12151-31	PS-65	Total/NA	Solid	5030C	
885-12151-32	PS-66	Total/NA	Solid	5030C	
885-12151-33	PS-67	Total/NA	Solid	5030C	
885-12151-34	PS-68	Total/NA	Solid	5030C	
885-12151-35	PS-69	Total/NA	Solid	5030C	
885-12151-36	PS-70	Total/NA	Solid	5030C	
885-12151-37	PS-71	Total/NA	Solid	5030C	
MB 885-12630/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12630/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12630/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-12151-17 MS	P2-IW10	Total/NA	Solid	5030C	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC VOA (Continued)

Prep Batch: 12630 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-17 MSD	P2-IW10	Total/NA	Solid	5030C	
885-12151-19 MS	P2-IW12	Total/NA	Solid	5030C	
885-12151-19 MSD	P2-IW12	Total/NA	Solid	5030C	

Prep Batch: 12663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-38	PS-72	Total/NA	Solid	5030C	
885-12151-39	P2-W28A	Total/NA	Solid	5030C	
885-12151-40	P2-IW6.6	Total/NA	Solid	5030C	
MB 885-12663/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12663/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12663/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-12151-38 MS	PS-72	Total/NA	Solid	5030C	
885-12151-38 MSD	PS-72	Total/NA	Solid	5030C	
885-12151-39 MS	P2-W28A	Total/NA	Solid	5030C	
885-12151-39 MSD	P2-W28A	Total/NA	Solid	5030C	

Analysis Batch: 12849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-38	PS-72	Total/NA	Solid	8015M/D	12663
885-12151-39	P2-W28A	Total/NA	Solid	8015M/D	12663
885-12151-40	P2-IW6.6	Total/NA	Solid	8015M/D	12663
MB 885-12663/1-A	Method Blank	Total/NA	Solid	8015M/D	12663
LCS 885-12663/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12663
885-12151-38 MS	PS-72	Total/NA	Solid	8015M/D	12663
885-12151-38 MSD	PS-72	Total/NA	Solid	8015M/D	12663

Analysis Batch: 12850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-38	PS-72	Total/NA	Solid	8021B	12663
885-12151-39	P2-W28A	Total/NA	Solid	8021B	12663
885-12151-40	P2-IW6.6	Total/NA	Solid	8021B	12663
MB 885-12663/1-A	Method Blank	Total/NA	Solid	8021B	12663
LCS 885-12663/3-A	Lab Control Sample	Total/NA	Solid	8021B	12663
885-12151-39 MS	P2-W28A	Total/NA	Solid	8021B	12663
885-12151-39 MSD	P2-W28A	Total/NA	Solid	8021B	12663

Analysis Batch: 12865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	8015M/D	12622
885-12151-2	P2-W32	Total/NA	Solid	8015M/D	12622
885-12151-3	P2-W33	Total/NA	Solid	8015M/D	12622
885-12151-4	P2-W34	Total/NA	Solid	8015M/D	12622
885-12151-5	P2-W35	Total/NA	Solid	8015M/D	12622
885-12151-6	P2-W36	Total/NA	Solid	8015M/D	12622
885-12151-7	P2-IW1	Total/NA	Solid	8015M/D	12622
885-12151-8	P2-IW2	Total/NA	Solid	8015M/D	12622
885-12151-9	P2-IW2.2	Total/NA	Solid	8015M/D	12622
885-12151-10	P2-IW3	Total/NA	Solid	8015M/D	12622
885-12151-11	P2-IW4	Total/NA	Solid	8015M/D	12622
885-12151-12	P2-IW5	Total/NA	Solid	8015M/D	12622

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC VOA (Continued)

Analysis Batch: 12865 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-13	P2-IW6	Total/NA	Solid	8015M/D	12622
885-12151-14	P2-IW7	Total/NA	Solid	8015M/D	12622
885-12151-15	P2-IW8	Total/NA	Solid	8015M/D	12622
885-12151-16	P2-IW9	Total/NA	Solid	8015M/D	12622
885-12151-18	P2-IW11	Total/NA	Solid	8015M/D	12622
MB 885-12622/1-A	Method Blank	Total/NA	Solid	8015M/D	12622
LCS 885-12622/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12622
885-12151-1 MS	PS-W31	Total/NA	Solid	8015M/D	12622
885-12151-1 MSD	PS-W31	Total/NA	Solid	8015M/D	12622

Analysis Batch: 12867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	8021B	12622
885-12151-2	P2-W32	Total/NA	Solid	8021B	12622
885-12151-3	P2-W33	Total/NA	Solid	8021B	12622
885-12151-4	P2-W34	Total/NA	Solid	8021B	12622
885-12151-5	P2-W35	Total/NA	Solid	8021B	12622
885-12151-6	P2-W36	Total/NA	Solid	8021B	12622
885-12151-7	P2-IW1	Total/NA	Solid	8021B	12622
885-12151-8	P2-IW2	Total/NA	Solid	8021B	12622
885-12151-9	P2-IW2.2	Total/NA	Solid	8021B	12622
885-12151-10	P2-IW3	Total/NA	Solid	8021B	12622
885-12151-11	P2-IW4	Total/NA	Solid	8021B	12622
885-12151-12	P2-IW5	Total/NA	Solid	8021B	12622
885-12151-13	P2-IW6	Total/NA	Solid	8021B	12622
885-12151-14	P2-IW7	Total/NA	Solid	8021B	12622
885-12151-15	P2-IW8	Total/NA	Solid	8021B	12622
885-12151-16	P2-IW9	Total/NA	Solid	8021B	12622
885-12151-18	P2-IW11	Total/NA	Solid	8021B	12622
MB 885-12622/1-A	Method Blank	Total/NA	Solid	8021B	12622
LCS 885-12622/3-A	Lab Control Sample	Total/NA	Solid	8021B	12622
885-12151-2 MS	P2-W32	Total/NA	Solid	8021B	12622
885-12151-2 MSD	P2-W32	Total/NA	Solid	8021B	12622

Analysis Batch: 12983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-17	P2-IW10	Total/NA	Solid	8015M/D	12630
885-12151-19	P2-IW12	Total/NA	Solid	8015M/D	12630
885-12151-20	P2-IW13	Total/NA	Solid	8015M/D	12630
885-12151-21	P2-IW14	Total/NA	Solid	8015M/D	12630
885-12151-22	P2-IW15	Total/NA	Solid	8015M/D	12630
885-12151-23	P2-IW16	Total/NA	Solid	8015M/D	12630
885-12151-24	P2-IW17	Total/NA	Solid	8015M/D	12630
885-12151-25	P2-IW18	Total/NA	Solid	8015M/D	12630
885-12151-26	PS-60	Total/NA	Solid	8015M/D	12630
885-12151-27	PS-61	Total/NA	Solid	8015M/D	12630
885-12151-28	PS-62	Total/NA	Solid	8015M/D	12630
885-12151-29	PS-63	Total/NA	Solid	8015M/D	12630
885-12151-30	PS-64	Total/NA	Solid	8015M/D	12630
885-12151-31	PS-65	Total/NA	Solid	8015M/D	12630
885-12151-32	PS-66	Total/NA	Solid	8015M/D	12630

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC VOA (Continued)

Analysis Batch: 12983 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-33	PS-67	Total/NA	Solid	8015M/D	12630
885-12151-34	PS-68	Total/NA	Solid	8015M/D	12630
885-12151-35	PS-69	Total/NA	Solid	8015M/D	12630
885-12151-36	PS-70	Total/NA	Solid	8015M/D	12630
885-12151-37	PS-71	Total/NA	Solid	8015M/D	12630
MB 885-12630/1-A	Method Blank	Total/NA	Solid	8015M/D	12630
LCS 885-12630/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12630
885-12151-17 MS	P2-IW10	Total/NA	Solid	8015M/D	12630
885-12151-17 MSD	P2-IW10	Total/NA	Solid	8015M/D	12630

Analysis Batch: 12984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-17	P2-IW10	Total/NA	Solid	8021B	12630
885-12151-19	P2-IW12	Total/NA	Solid	8021B	12630
885-12151-20	P2-IW13	Total/NA	Solid	8021B	12630
885-12151-21	P2-IW14	Total/NA	Solid	8021B	12630
885-12151-22	P2-IW15	Total/NA	Solid	8021B	12630
885-12151-23	P2-IW16	Total/NA	Solid	8021B	12630
885-12151-24	P2-IW17	Total/NA	Solid	8021B	12630
885-12151-25	P2-IW18	Total/NA	Solid	8021B	12630
885-12151-26	PS-60	Total/NA	Solid	8021B	12630
885-12151-27	PS-61	Total/NA	Solid	8021B	12630
885-12151-28	PS-62	Total/NA	Solid	8021B	12630
885-12151-29	PS-63	Total/NA	Solid	8021B	12630
885-12151-30	PS-64	Total/NA	Solid	8021B	12630
885-12151-31	PS-65	Total/NA	Solid	8021B	12630
885-12151-32	PS-66	Total/NA	Solid	8021B	12630
885-12151-33	PS-67	Total/NA	Solid	8021B	12630
885-12151-34	PS-68	Total/NA	Solid	8021B	12630
885-12151-35	PS-69	Total/NA	Solid	8021B	12630
885-12151-36	PS-70	Total/NA	Solid	8021B	12630
885-12151-37	PS-71	Total/NA	Solid	8021B	12630
MB 885-12630/1-A	Method Blank	Total/NA	Solid	8021B	12630
LCS 885-12630/3-A	Lab Control Sample	Total/NA	Solid	8021B	12630
885-12151-19 MS	P2-IW12	Total/NA	Solid	8021B	12630
885-12151-19 MSD	P2-IW12	Total/NA	Solid	8021B	12630

GC Semi VOA

Analysis Batch: 12749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	8015M/D	12763
885-12151-2	P2-W32	Total/NA	Solid	8015M/D	12763
885-12151-3	P2-W33	Total/NA	Solid	8015M/D	12763
885-12151-4	P2-W34	Total/NA	Solid	8015M/D	12763
885-12151-5	P2-W35	Total/NA	Solid	8015M/D	12763
885-12151-6	P2-W36	Total/NA	Solid	8015M/D	12763
885-12151-7	P2-IW1	Total/NA	Solid	8015M/D	12763
885-12151-8	P2-IW2	Total/NA	Solid	8015M/D	12763
885-12151-9	P2-IW2.2	Total/NA	Solid	8015M/D	12763
885-12151-10	P2-IW3	Total/NA	Solid	8015M/D	12763

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC Semi VOA (Continued)

Analysis Batch: 12749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-11	P2-IW4	Total/NA	Solid	8015M/D	12763
885-12151-12	P2-IW5	Total/NA	Solid	8015M/D	12763
885-12151-13	P2-IW6	Total/NA	Solid	8015M/D	12763
885-12151-14	P2-IW7	Total/NA	Solid	8015M/D	12763
885-12151-15	P2-IW8	Total/NA	Solid	8015M/D	12763
885-12151-16	P2-IW9	Total/NA	Solid	8015M/D	12763
885-12151-17	P2-IW10	Total/NA	Solid	8015M/D	12763
885-12151-18	P2-IW11	Total/NA	Solid	8015M/D	12763
885-12151-19	P2-IW12	Total/NA	Solid	8015M/D	12763
885-12151-20	P2-IW13	Total/NA	Solid	8015M/D	12763
885-12151-21	P2-IW14	Total/NA	Solid	8015M/D	12773
885-12151-22	P2-IW15	Total/NA	Solid	8015M/D	12773
885-12151-23	P2-IW16	Total/NA	Solid	8015M/D	12773
885-12151-24	P2-IW17	Total/NA	Solid	8015M/D	12773
885-12151-25	P2-IW18	Total/NA	Solid	8015M/D	12773
885-12151-26	PS-60	Total/NA	Solid	8015M/D	12773
885-12151-27	PS-61	Total/NA	Solid	8015M/D	12773
885-12151-28	PS-62	Total/NA	Solid	8015M/D	12773
885-12151-29	PS-63	Total/NA	Solid	8015M/D	12773
885-12151-30	PS-64	Total/NA	Solid	8015M/D	12773
885-12151-31	PS-65	Total/NA	Solid	8015M/D	12773
885-12151-32	PS-66	Total/NA	Solid	8015M/D	12773
885-12151-33	PS-67	Total/NA	Solid	8015M/D	12773
885-12151-34	PS-68	Total/NA	Solid	8015M/D	12773
885-12151-35	PS-69	Total/NA	Solid	8015M/D	12773
885-12151-36	PS-70	Total/NA	Solid	8015M/D	12773
885-12151-37	PS-71	Total/NA	Solid	8015M/D	12773
885-12151-38	PS-72	Total/NA	Solid	8015M/D	12773
885-12151-39	P2-W28A	Total/NA	Solid	8015M/D	12773
885-12151-40	P2-IW6.6	Total/NA	Solid	8015M/D	12773
MB 885-12763/1-A	Method Blank	Total/NA	Solid	8015M/D	12763
MB 885-12773/1-A	Method Blank	Total/NA	Solid	8015M/D	12773
LCS 885-12763/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12763
LCS 885-12773/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12773
885-12151-20 MS	P2-IW13	Total/NA	Solid	8015M/D	12763
885-12151-20 MSD	P2-IW13	Total/NA	Solid	8015M/D	12763
885-12151-40 MS	P2-IW6.6	Total/NA	Solid	8015M/D	12773
885-12151-40 MSD	P2-IW6.6	Total/NA	Solid	8015M/D	12773

Prep Batch: 12763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	SHAKE	
885-12151-2	P2-W32	Total/NA	Solid	SHAKE	
885-12151-3	P2-W33	Total/NA	Solid	SHAKE	
885-12151-4	P2-W34	Total/NA	Solid	SHAKE	
885-12151-5	P2-W35	Total/NA	Solid	SHAKE	
885-12151-6	P2-W36	Total/NA	Solid	SHAKE	
885-12151-7	P2-IW1	Total/NA	Solid	SHAKE	
885-12151-8	P2-IW2	Total/NA	Solid	SHAKE	
885-12151-9	P2-IW2.2	Total/NA	Solid	SHAKE	
885-12151-10	P2-IW3	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

GC Semi VOA (Continued)

Prep Batch: 12763 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-11	P2-IW4	Total/NA	Solid	SHAKE	
885-12151-12	P2-IW5	Total/NA	Solid	SHAKE	
885-12151-13	P2-IW6	Total/NA	Solid	SHAKE	
885-12151-14	P2-IW7	Total/NA	Solid	SHAKE	
885-12151-15	P2-IW8	Total/NA	Solid	SHAKE	
885-12151-16	P2-IW9	Total/NA	Solid	SHAKE	
885-12151-17	P2-IW10	Total/NA	Solid	SHAKE	
885-12151-18	P2-IW11	Total/NA	Solid	SHAKE	
885-12151-19	P2-IW12	Total/NA	Solid	SHAKE	
885-12151-20	P2-IW13	Total/NA	Solid	SHAKE	
MB 885-12763/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12763/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-12151-20 MS	P2-IW13	Total/NA	Solid	SHAKE	
885-12151-20 MSD	P2-IW13	Total/NA	Solid	SHAKE	

Prep Batch: 12773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-21	P2-IW14	Total/NA	Solid	SHAKE	
885-12151-22	P2-IW15	Total/NA	Solid	SHAKE	
885-12151-23	P2-IW16	Total/NA	Solid	SHAKE	
885-12151-24	P2-IW17	Total/NA	Solid	SHAKE	
885-12151-25	P2-IW18	Total/NA	Solid	SHAKE	
885-12151-26	PS-60	Total/NA	Solid	SHAKE	
885-12151-27	PS-61	Total/NA	Solid	SHAKE	
885-12151-28	PS-62	Total/NA	Solid	SHAKE	
885-12151-29	PS-63	Total/NA	Solid	SHAKE	
885-12151-30	PS-64	Total/NA	Solid	SHAKE	
885-12151-31	PS-65	Total/NA	Solid	SHAKE	
885-12151-32	PS-66	Total/NA	Solid	SHAKE	
885-12151-33	PS-67	Total/NA	Solid	SHAKE	
885-12151-34	PS-68	Total/NA	Solid	SHAKE	
885-12151-35	PS-69	Total/NA	Solid	SHAKE	
885-12151-36	PS-70	Total/NA	Solid	SHAKE	
885-12151-37	PS-71	Total/NA	Solid	SHAKE	
885-12151-38	PS-72	Total/NA	Solid	SHAKE	
885-12151-39	P2-W28A	Total/NA	Solid	SHAKE	
885-12151-40	P2-IW6.6	Total/NA	Solid	SHAKE	
MB 885-12773/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12773/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-12151-40 MS	P2-IW6.6	Total/NA	Solid	SHAKE	
885-12151-40 MSD	P2-IW6.6	Total/NA	Solid	SHAKE	

HPLC/IC

Analysis Batch: 12906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-21	P2-IW14	Total/NA	Solid	300.0	12924
885-12151-22	P2-IW15	Total/NA	Solid	300.0	12924
885-12151-23	P2-IW16	Total/NA	Solid	300.0	12924
885-12151-24	P2-IW17	Total/NA	Solid	300.0	12924
885-12151-25	P2-IW18	Total/NA	Solid	300.0	12924

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

HPLC/IC (Continued)

Analysis Batch: 12906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-26	PS-60	Total/NA	Solid	300.0	12924
885-12151-27	PS-61	Total/NA	Solid	300.0	12924
885-12151-28	PS-62	Total/NA	Solid	300.0	12924
885-12151-29	PS-63	Total/NA	Solid	300.0	12924
885-12151-30	PS-64	Total/NA	Solid	300.0	12924
885-12151-31	PS-65	Total/NA	Solid	300.0	12924
885-12151-32	PS-66	Total/NA	Solid	300.0	12924
885-12151-35	PS-69	Total/NA	Solid	300.0	12924
885-12151-36	PS-70	Total/NA	Solid	300.0	12924
885-12151-37	PS-71	Total/NA	Solid	300.0	12924
885-12151-38	PS-72	Total/NA	Solid	300.0	12924
MB 885-12924/1-A	Method Blank	Total/NA	Solid	300.0	12924
LCS 885-12924/2-A	Lab Control Sample	Total/NA	Solid	300.0	12924
885-12151-21 MS	P2-IW14	Total/NA	Solid	300.0	12924
885-12151-21 MSD	P2-IW14	Total/NA	Solid	300.0	12924
885-12151-31 MS	PS-65	Total/NA	Solid	300.0	12924

Prep Batch: 12924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-21	P2-IW14	Total/NA	Solid	300_Prep	
885-12151-22	P2-IW15	Total/NA	Solid	300_Prep	
885-12151-23	P2-IW16	Total/NA	Solid	300_Prep	
885-12151-24	P2-IW17	Total/NA	Solid	300_Prep	
885-12151-25	P2-IW18	Total/NA	Solid	300_Prep	
885-12151-26	PS-60	Total/NA	Solid	300_Prep	
885-12151-27	PS-61	Total/NA	Solid	300_Prep	
885-12151-28	PS-62	Total/NA	Solid	300_Prep	
885-12151-29	PS-63	Total/NA	Solid	300_Prep	
885-12151-30	PS-64	Total/NA	Solid	300_Prep	
885-12151-31	PS-65	Total/NA	Solid	300_Prep	
885-12151-32	PS-66	Total/NA	Solid	300_Prep	
885-12151-33	PS-67	Total/NA	Solid	300_Prep	
885-12151-34	PS-68	Total/NA	Solid	300_Prep	
885-12151-35	PS-69	Total/NA	Solid	300_Prep	
885-12151-36	PS-70	Total/NA	Solid	300_Prep	
885-12151-37	PS-71	Total/NA	Solid	300_Prep	
885-12151-38	PS-72	Total/NA	Solid	300_Prep	
885-12151-39	P2-W28A	Total/NA	Solid	300_Prep	
885-12151-40	P2-IW6.6	Total/NA	Solid	300_Prep	
MB 885-12924/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12924/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-12151-21 MS	P2-IW14	Total/NA	Solid	300_Prep	
885-12151-21 MSD	P2-IW14	Total/NA	Solid	300_Prep	
885-12151-31 MS	PS-65	Total/NA	Solid	300_Prep	

Prep Batch: 12930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	300_Prep	
885-12151-2	P2-W32	Total/NA	Solid	300_Prep	
885-12151-3	P2-W33	Total/NA	Solid	300_Prep	
885-12151-4	P2-W34	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

HPLC/IC (Continued)

Prep Batch: 12930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-5	P2-W35	Total/NA	Solid	300_Prep	
885-12151-6	P2-W36	Total/NA	Solid	300_Prep	
885-12151-7	P2-IW1	Total/NA	Solid	300_Prep	
885-12151-8	P2-IW2	Total/NA	Solid	300_Prep	
885-12151-9	P2-IW2.2	Total/NA	Solid	300_Prep	
885-12151-10	P2-IW3	Total/NA	Solid	300_Prep	
885-12151-11	P2-IW4	Total/NA	Solid	300_Prep	
885-12151-12	P2-IW5	Total/NA	Solid	300_Prep	
885-12151-13	P2-IW6	Total/NA	Solid	300_Prep	
885-12151-14	P2-IW7	Total/NA	Solid	300_Prep	
885-12151-15	P2-IW8	Total/NA	Solid	300_Prep	
885-12151-16	P2-IW9	Total/NA	Solid	300_Prep	
885-12151-17	P2-IW10	Total/NA	Solid	300_Prep	
885-12151-18	P2-IW11	Total/NA	Solid	300_Prep	
885-12151-19	P2-IW12	Total/NA	Solid	300_Prep	
885-12151-20	P2-IW13	Total/NA	Solid	300_Prep	
MB 885-12930/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12930/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-12151-1 MS	PS-W31	Total/NA	Solid	300_Prep	
885-12151-1 MSD	PS-W31	Total/NA	Solid	300_Prep	
885-12151-11 MS	P2-IW4	Total/NA	Solid	300_Prep	
885-12151-11 MSD	P2-IW4	Total/NA	Solid	300_Prep	

Analysis Batch: 12981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-1	PS-W31	Total/NA	Solid	300.0	12930
885-12151-2	P2-W32	Total/NA	Solid	300.0	12930
885-12151-3	P2-W33	Total/NA	Solid	300.0	12930
885-12151-4	P2-W34	Total/NA	Solid	300.0	12930
885-12151-5	P2-W35	Total/NA	Solid	300.0	12930
885-12151-6	P2-W36	Total/NA	Solid	300.0	12930
885-12151-7	P2-IW1	Total/NA	Solid	300.0	12930
885-12151-8	P2-IW2	Total/NA	Solid	300.0	12930
885-12151-10	P2-IW3	Total/NA	Solid	300.0	12930
885-12151-11	P2-IW4	Total/NA	Solid	300.0	12930
885-12151-12	P2-IW5	Total/NA	Solid	300.0	12930
885-12151-13	P2-IW6	Total/NA	Solid	300.0	12930
885-12151-14	P2-IW7	Total/NA	Solid	300.0	12930
885-12151-15	P2-IW8	Total/NA	Solid	300.0	12930
885-12151-16	P2-IW9	Total/NA	Solid	300.0	12930
885-12151-18	P2-IW11	Total/NA	Solid	300.0	12930
885-12151-20	P2-IW13	Total/NA	Solid	300.0	12930
MB 885-12930/1-A	Method Blank	Total/NA	Solid	300.0	12930
LCS 885-12930/2-A	Lab Control Sample	Total/NA	Solid	300.0	12930
885-12151-1 MS	PS-W31	Total/NA	Solid	300.0	12930
885-12151-1 MSD	PS-W31	Total/NA	Solid	300.0	12930
885-12151-11 MS	P2-IW4	Total/NA	Solid	300.0	12930
885-12151-11 MSD	P2-IW4	Total/NA	Solid	300.0	12930

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

HPLC/IC

Analysis Batch: 13000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-12151-9	P2-IW2.2	Total/NA	Solid	300.0	12930
885-12151-17	P2-IW10	Total/NA	Solid	300.0	12930
885-12151-19	P2-IW12	Total/NA	Solid	300.0	12930
885-12151-33	PS-67	Total/NA	Solid	300.0	12924
885-12151-34	PS-68	Total/NA	Solid	300.0	12924
885-12151-39	P2-W28A	Total/NA	Solid	300.0	12924
885-12151-40	P2-IW6.6	Total/NA	Solid	300.0	12924

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-W31

Lab Sample ID: 885-12151-1

Date Collected: 09/17/24 09:20

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 16:01
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 16:01
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:02
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 21:57

Client Sample ID: P2-W32

Lab Sample ID: 885-12151-2

Date Collected: 09/17/24 09:24

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 17:06
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 17:06
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:12
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 22:10

Client Sample ID: P2-W33

Lab Sample ID: 885-12151-3

Date Collected: 09/17/24 09:26

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 18:11
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 18:11
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:23
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 23:14

Client Sample ID: P2-W34

Lab Sample ID: 885-12151-4

Date Collected: 09/17/24 09:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 18:33

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-W34

Lab Sample ID: 885-12151-4

Date Collected: 09/17/24 09:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 18:33
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:34
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 23:27

Client Sample ID: P2-W35

Lab Sample ID: 885-12151-5

Date Collected: 09/17/24 09:34

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 18:55
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 18:55
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:44
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 23:40

Client Sample ID: P2-W36

Lab Sample ID: 885-12151-6

Date Collected: 09/17/24 09:36

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 19:16
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 19:16
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 14:55
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/24/24 23:53

Client Sample ID: P2-IW1

Lab Sample ID: 885-12151-7

Date Collected: 09/17/24 10:10

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 19:38
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 19:38

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW1
Date Collected: 09/17/24 10:10
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 15:06
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 00:06

Client Sample ID: P2-IW2
Date Collected: 09/17/24 10:20
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 19:59
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 19:59
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 15:17
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 00:18

Client Sample ID: P2-IW2.2
Date Collected: 09/17/24 10:24
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-9
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 20:21
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 20:21
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 15:38
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		50	13000	EH	EET ALB	09/25/24 17:09

Client Sample ID: P2-IW3
Date Collected: 09/17/24 10:26
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 20:43
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 20:43
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 15:49

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW3

Lab Sample ID: 885-12151-10

Date Collected: 09/17/24 10:26

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 00:44

Client Sample ID: P2-IW4

Lab Sample ID: 885-12151-11

Date Collected: 09/17/24 10:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 21:26
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 21:26
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:00
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 01:23

Client Sample ID: P2-IW5

Lab Sample ID: 885-12151-12

Date Collected: 09/17/24 10:32

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 21:48
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 21:48
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:10
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 02:01

Client Sample ID: P2-IW6

Lab Sample ID: 885-12151-13

Date Collected: 09/17/24 10:34

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 22:10
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 22:10
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:21
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 02:14

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW7

Lab Sample ID: 885-12151-14

Date Collected: 09/17/24 10:46

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 22:32
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 22:32
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:32
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 02:27

Client Sample ID: P2-IW8

Lab Sample ID: 885-12151-15

Date Collected: 09/17/24 10:48

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 23:15
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 23:15
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:43
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 02:40

Client Sample ID: P2-IW9

Lab Sample ID: 885-12151-16

Date Collected: 09/17/24 10:50

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 23:37
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 23:37
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 16:54
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 02:53

Client Sample ID: P2-IW10

Lab Sample ID: 885-12151-17

Date Collected: 09/17/24 11:20

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 17:25

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW10

Lab Sample ID: 885-12151-17

Date Collected: 09/17/24 11:20

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 17:25
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 17:05
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		50	13000	EH	EET ALB	09/25/24 17:22

Client Sample ID: P2-IW11

Lab Sample ID: 885-12151-18

Date Collected: 09/17/24 11:22

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8015M/D		1	12865	AT	EET ALB	09/23/24 23:58
Total/NA	Prep	5030C			12622	JP	EET ALB	09/20/24 10:24
Total/NA	Analysis	8021B		1	12867	AT	EET ALB	09/23/24 23:58
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:34
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 17:16
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 03:44

Client Sample ID: P2-IW12

Lab Sample ID: 885-12151-19

Date Collected: 09/17/24 11:24

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 18:31
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 18:31
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:35
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 17:37
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		50	13000	EH	EET ALB	09/25/24 17:35

Client Sample ID: P2-IW13

Lab Sample ID: 885-12151-20

Date Collected: 09/17/24 11:26

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 19:36
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 19:36

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW13

Lab Sample ID: 885-12151-20

Date Collected: 09/17/24 11:26

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12763	EM	EET ALB	09/23/24 10:35
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 17:48
Total/NA	Prep	300_Prep			12930	EH	EET ALB	09/24/24 16:18
Total/NA	Analysis	300.0		20	12981	EH	EET ALB	09/25/24 04:10

Client Sample ID: P2-IW14

Lab Sample ID: 885-12151-21

Date Collected: 09/17/24 11:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 19:57
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 19:57
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 18:55
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 19:49

Client Sample ID: P2-IW15

Lab Sample ID: 885-12151-22

Date Collected: 09/17/24 11:32

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 20:19
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 20:19
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 19:06
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 20:27

Client Sample ID: P2-IW16

Lab Sample ID: 885-12151-23

Date Collected: 09/17/24 11:34

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 20:41
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 20:41
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 19:17

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW16

Lab Sample ID: 885-12151-23

Date Collected: 09/17/24 11:34

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 20:40

Client Sample ID: P2-IW17

Lab Sample ID: 885-12151-24

Date Collected: 09/17/24 11:40

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 21:03
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 21:03
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 19:28
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 20:53

Client Sample ID: P2-IW18

Lab Sample ID: 885-12151-25

Date Collected: 09/17/24 11:42

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 21:24
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 21:24
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 19:40
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 21:06

Client Sample ID: PS-60

Lab Sample ID: 885-12151-26

Date Collected: 09/17/24 14:00

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 21:46
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 21:46
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 19:51
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 21:45

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-61

Lab Sample ID: 885-12151-27

Date Collected: 09/17/24 14:02

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 22:08
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 22:08
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 20:02
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 21:58

Client Sample ID: PS-62

Lab Sample ID: 885-12151-28

Date Collected: 09/17/24 14:06

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 22:51
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 22:51
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 20:13
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 22:10

Client Sample ID: PS-63

Lab Sample ID: 885-12151-29

Date Collected: 09/17/24 14:08

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 23:13
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 23:13
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 20:35
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 22:23

Client Sample ID: PS-64

Lab Sample ID: 885-12151-30

Date Collected: 09/17/24 14:10

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 23:35

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-64
Date Collected: 09/17/24 14:10
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-30
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 23:35
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 20:46
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 22:36

Client Sample ID: PS-65
Date Collected: 09/17/24 14:12
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/24/24 23:56
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/24/24 23:56
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 20:57
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 22:49

Client Sample ID: PS-66
Date Collected: 09/17/24 14:14
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 00:18
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 00:18
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 21:08
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/24/24 23:28

Client Sample ID: PS-67
Date Collected: 09/17/24 14:16
Date Received: 09/19/24 07:50

Lab Sample ID: 885-12151-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 00:40
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 00:40

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-67

Lab Sample ID: 885-12151-33

Date Collected: 09/17/24 14:16

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 21:19
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		50	13000	EH	EET ALB	09/25/24 15:39

Client Sample ID: PS-68

Lab Sample ID: 885-12151-34

Date Collected: 09/17/24 14:20

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 01:02
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 01:02
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 21:30
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		100	13000	EH	EET ALB	09/25/24 15:52

Client Sample ID: PS-69

Lab Sample ID: 885-12151-35

Date Collected: 09/17/24 14:24

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 01:23
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 01:23
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 21:41
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/25/24 00:32

Client Sample ID: PS-70

Lab Sample ID: 885-12151-36

Date Collected: 09/17/24 14:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 01:45
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 01:45
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 21:52

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: PS-70

Lab Sample ID: 885-12151-36

Date Collected: 09/17/24 14:30

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/25/24 00:45

Client Sample ID: PS-71

Lab Sample ID: 885-12151-37

Date Collected: 09/17/24 14:32

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8015M/D		1	12983	AT	EET ALB	09/25/24 02:07
Total/NA	Prep	5030C			12630	JR	EET ALB	09/20/24 11:17
Total/NA	Analysis	8021B		1	12984	AT	EET ALB	09/25/24 02:07
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 22:03
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/25/24 00:58

Client Sample ID: PS-72

Lab Sample ID: 885-12151-38

Date Collected: 09/17/24 14:40

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8015M/D		1	12849	JP	EET ALB	09/23/24 19:29
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8021B		1	12850	JP	EET ALB	09/23/24 19:29
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 22:14
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		20	12906	EH	EET ALB	09/25/24 01:11

Client Sample ID: P2-W28A

Lab Sample ID: 885-12151-39

Date Collected: 09/17/24 14:44

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8015M/D		1	12849	JP	EET ALB	09/23/24 20:40
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8021B		1	12850	JP	EET ALB	09/23/24 20:40
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 22:36
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		50	13000	EH	EET ALB	09/25/24 16:44

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

Client Sample ID: P2-IW6.6

Lab Sample ID: 885-12151-40

Date Collected: 09/17/24 10:40

Matrix: Solid

Date Received: 09/19/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8015M/D		1	12849	JP	EET ALB	09/23/24 21:51
Total/NA	Prep	5030C			12663	JR	EET ALB	09/20/24 14:22
Total/NA	Analysis	8021B		1	12850	JP	EET ALB	09/23/24 21:51
Total/NA	Prep	SHAKE			12773	EM	EET ALB	09/23/24 13:01
Total/NA	Analysis	8015M/D		1	12749	EM	EET ALB	09/23/24 22:47
Total/NA	Prep	300_Prep			12924	EH	EET ALB	09/24/24 15:58
Total/NA	Analysis	300.0		100	13000	EH	EET ALB	09/25/24 16:56

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-12151-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
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- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name:
 Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No *check*
 # of Coolers: 1
 Cooler Temp (including cfi): 2.7 - 0.1 = 2.6



4901 Hawkins NE - Albuquerque, NM 87
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/17/24	0920	SOIL	P2-W31	1x4oz Jar	ICE	1
	0924		P2-W32			2
	0926		P2-W33			3
	0930		P2-W34			4
	0934		P2-W35			5
	0936		P2-W36			6
	1010		P2-IW1			7
	1020		P2-IW2			8
	1024		P2-IW2.2			9
	1026		P2-IW3			10
	1030		P2-IW4			11
	1032		P2-IW5			12

TPH:8015D(GRO / DRO / MRO) X
 BTEX (8021) X
 Chloride (EPA 300) X

Remarks: Bill to EOG Artesia

Date: 9/18/24 1015
 Date: 9/19/24 7:50
 Relinquished by: [Signature]
 Relinquished by: [Signature]

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

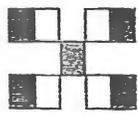
QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) Excel

Turn-Around Time: Standard Rush 6 DAY TAT
 Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf

Sampler: J. Martinez chuxky
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 73-01 = 2.0

Container Type and #
 1x4oz Jar
 Preservative Type
 ICE
 HEAL No.
 25

Received by: [Signature] Date: 9/18/24 Time: 10:15
 Received by: [Signature] Date: 9/19/24 Time: 7:50



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/17/24	1142	SOIL	P2-IW18	1x4oz Jar	ICE	25
	1400		PS-60			26
	1402		PS-61			27
	1406		PS-62			28
	1408		PS-63			29
	1410		PS-64			30
	1412		PS-65			31
	1414		PS-66			32
	1416		PS-67			33
	1426		PS-68			34
	1424		PS-69			35
	1430		PS-70			36

Remarks: Bill to EOG Artesia

BTEX (8021) X X X
 TPH:8015D(GRO / DRO / MRO) X X X
 Chloride (EPA 300)

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-12151-1

Login Number: 12151

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 10/11/2024 3:43:48 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-13234-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
10/11/2024 3:43:48 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-13234-1

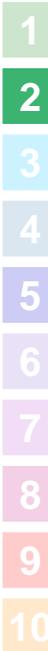


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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13234-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-13234-1

Job ID: 885-13234-1

Eurofins Albuquerque

Job Narrative 885-13234-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/5/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

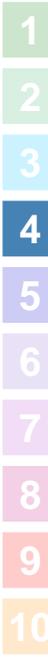
Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-13860 and analytical batch 885-13857 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P-2W35A

Lab Sample ID: 885-13234-1

Date Collected: 10/03/24 09:00

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/07/24 13:36	10/08/24 13:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 13:05	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 13:05	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 13:05	1
Xylenes, Total	ND		0.099	mg/Kg		10/07/24 13:36	10/08/24 13:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		48 - 145			10/07/24 13:36	10/08/24 13:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/08/24 08:58	10/08/24 13:23	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 08:58	10/08/24 13:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			10/08/24 08:58	10/08/24 13:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		10/08/24 10:30	10/08/24 12:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW2.2A

Lab Sample ID: 885-13234-2

Date Collected: 10/03/24 09:10

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/07/24 13:36	10/08/24 14:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 14:10	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 14:10	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 14:10	1
Xylenes, Total	ND		0.10	mg/Kg		10/07/24 13:36	10/08/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		48 - 145			10/07/24 13:36	10/08/24 14:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/08/24 08:58	10/08/24 13:36	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/08/24 08:58	10/08/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/08/24 08:58	10/08/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		10/08/24 10:30	10/08/24 13:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW6.6A

Lab Sample ID: 885-13234-3

Date Collected: 10/03/24 09:12

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/07/24 13:36	10/08/24 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/07/24 13:36	10/08/24 15:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 15:15	1
Ethylbenzene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 15:15	1
Toluene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 15:15	1
Xylenes, Total	ND		0.099	mg/Kg		10/07/24 13:36	10/08/24 15:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			10/07/24 13:36	10/08/24 15:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/08/24 08:58	10/08/24 13:48	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/08/24 08:58	10/08/24 13:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/08/24 08:58	10/08/24 13:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7500		300	mg/Kg		10/08/24 10:30	10/09/24 19:40	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13234-4

Date Collected: 10/03/24 09:14

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/07/24 13:36	10/08/24 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			10/07/24 13:36	10/08/24 15:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/07/24 13:36	10/08/24 15:36	1
Ethylbenzene	ND		0.048	mg/Kg		10/07/24 13:36	10/08/24 15:36	1
Toluene	ND		0.048	mg/Kg		10/07/24 13:36	10/08/24 15:36	1
Xylenes, Total	ND		0.097	mg/Kg		10/07/24 13:36	10/08/24 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/07/24 13:36	10/08/24 15:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/08/24 08:58	10/08/24 14:00	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/08/24 08:58	10/08/24 14:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			10/08/24 08:58	10/08/24 14:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		10/08/24 10:30	10/08/24 13:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW10A

Lab Sample ID: 885-13234-5

Date Collected: 10/03/24 09:16

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/07/24 13:36	10/08/24 15:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 15:58	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 15:58	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 15:58	1
Xylenes, Total	ND		0.099	mg/Kg		10/07/24 13:36	10/08/24 15:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/07/24 13:36	10/08/24 15:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/08/24 08:58	10/08/24 14:12	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/08/24 08:58	10/08/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/08/24 08:58	10/08/24 14:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7600		300	mg/Kg		10/08/24 10:30	10/09/24 19:52	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW11A

Lab Sample ID: 885-13234-6

Date Collected: 10/03/24 09:20

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/07/24 13:36	10/08/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/07/24 13:36	10/08/24 16:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/07/24 13:36	10/08/24 16:20	1
Ethylbenzene	ND		0.048	mg/Kg		10/07/24 13:36	10/08/24 16:20	1
Toluene	ND		0.048	mg/Kg		10/07/24 13:36	10/08/24 16:20	1
Xylenes, Total	ND		0.095	mg/Kg		10/07/24 13:36	10/08/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			10/07/24 13:36	10/08/24 16:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/08/24 08:58	10/08/24 14:24	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/08/24 08:58	10/08/24 14:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			10/08/24 08:58	10/08/24 14:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		60	mg/Kg		10/08/24 10:30	10/08/24 14:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW12A

Lab Sample ID: 885-13234-7

Date Collected: 10/03/24 09:30

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/07/24 13:36	10/08/24 16:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 16:42	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 16:42	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 16:42	1
Xylenes, Total	ND		0.10	mg/Kg		10/07/24 13:36	10/08/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			10/07/24 13:36	10/08/24 16:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/08/24 08:58	10/08/24 14:36	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 08:58	10/08/24 14:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			10/08/24 08:58	10/08/24 14:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7400		300	mg/Kg		10/08/24 10:30	10/09/24 20:29	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW17A

Lab Sample ID: 885-13234-8

Date Collected: 10/03/24 09:40

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/07/24 13:36	10/08/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			10/07/24 13:36	10/08/24 17:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/07/24 13:36	10/08/24 17:03	1
Ethylbenzene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 17:03	1
Toluene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 17:03	1
Xylenes, Total	ND		0.097	mg/Kg		10/07/24 13:36	10/08/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/07/24 13:36	10/08/24 17:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		10/08/24 08:58	10/08/24 14:48	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/08/24 08:58	10/08/24 14:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			10/08/24 08:58	10/08/24 14:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7000		300	mg/Kg		10/08/24 10:30	10/09/24 20:42	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P-W28B

Lab Sample ID: 885-13234-9

Date Collected: 10/03/24 10:10

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			10/07/24 13:36	10/08/24 17:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 17:25	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 17:25	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 17:25	1
Xylenes, Total	ND		0.10	mg/Kg		10/07/24 13:36	10/08/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			10/07/24 13:36	10/08/24 17:25	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/08/24 08:58	10/08/24 15:12	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/08/24 08:58	10/08/24 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			10/08/24 08:58	10/08/24 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1800		60	mg/Kg		10/08/24 10:30	10/08/24 14:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-67A

Lab Sample ID: 885-13234-10

Date Collected: 10/03/24 10:12

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/07/24 13:36	10/08/24 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/07/24 13:36	10/08/24 17:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 17:47	1
Ethylbenzene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 17:47	1
Toluene	ND		0.049	mg/Kg		10/07/24 13:36	10/08/24 17:47	1
Xylenes, Total	ND		0.099	mg/Kg		10/07/24 13:36	10/08/24 17:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			10/07/24 13:36	10/08/24 17:47	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/08/24 08:58	10/08/24 15:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/08/24 08:58	10/08/24 15:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/08/24 08:58	10/08/24 15:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		10/08/24 10:30	10/08/24 15:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-68A

Lab Sample ID: 885-13234-11

Date Collected: 10/03/24 10:14

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 13:35	10/11/24 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/08/24 13:35	10/11/24 02:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 13:35	10/11/24 02:31	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 13:35	10/11/24 02:31	1
Toluene	ND		0.050	mg/Kg		10/08/24 13:35	10/11/24 02:31	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 13:35	10/11/24 02:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/08/24 13:35	10/11/24 02:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/08/24 14:53	10/10/24 06:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/08/24 14:53	10/10/24 06:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			10/08/24 14:53	10/10/24 06:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		61	mg/Kg		10/08/24 16:13	10/09/24 15:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-69A

Lab Sample ID: 885-13234-12

Date Collected: 10/03/24 10:16

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 13:35	10/11/24 02:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			10/08/24 13:35	10/11/24 02:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 13:35	10/11/24 02:55	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 13:35	10/11/24 02:55	1
Toluene	ND		0.049	mg/Kg		10/08/24 13:35	10/11/24 02:55	1
Xylenes, Total	ND		0.097	mg/Kg		10/08/24 13:35	10/11/24 02:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 13:35	10/11/24 02:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/08/24 14:53	10/10/24 06:19	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/08/24 14:53	10/10/24 06:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/08/24 14:53	10/10/24 06:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		10/08/24 16:13	10/09/24 15:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-73

Lab Sample ID: 885-13234-13

Date Collected: 10/03/24 10:22

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 13:35	10/11/24 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/08/24 13:35	10/11/24 03:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 13:35	10/11/24 03:18	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 13:35	10/11/24 03:18	1
Toluene	ND		0.050	mg/Kg		10/08/24 13:35	10/11/24 03:18	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 13:35	10/11/24 03:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 13:35	10/11/24 03:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/08/24 14:53	10/10/24 06:31	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/08/24 14:53	10/10/24 06:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			10/08/24 14:53	10/10/24 06:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		10/08/24 16:13	10/09/24 16:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-74

Lab Sample ID: 885-13234-14

Date Collected: 10/03/24 10:24

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 13:35	10/11/24 03:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/08/24 13:35	10/11/24 03:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 13:35	10/11/24 03:42	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 13:35	10/11/24 03:42	1
Toluene	ND		0.049	mg/Kg		10/08/24 13:35	10/11/24 03:42	1
Xylenes, Total	ND		0.097	mg/Kg		10/08/24 13:35	10/11/24 03:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			10/08/24 13:35	10/11/24 03:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/08/24 14:53	10/10/24 06:55	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/08/24 14:53	10/10/24 06:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/08/24 14:53	10/10/24 06:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		10/08/24 16:13	10/09/24 16:22	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-75

Lab Sample ID: 885-13234-15

Date Collected: 10/03/24 10:28

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 13:35	10/11/24 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/08/24 13:35	10/11/24 04:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 13:35	10/11/24 04:06	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 13:35	10/11/24 04:06	1
Toluene	ND		0.048	mg/Kg		10/08/24 13:35	10/11/24 04:06	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 13:35	10/11/24 04:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/08/24 13:35	10/11/24 04:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/08/24 14:53	10/10/24 07:07	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/08/24 14:53	10/10/24 07:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	73		62 - 134			10/08/24 14:53	10/10/24 07:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		10/08/24 16:13	10/09/24 16:35	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-13820/1-A

Matrix: Solid

Analysis Batch: 13926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13820

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/07/24 13:36	10/08/24 11:59	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		35 - 166			10/07/24 13:36	10/08/24 11:59	1

Lab Sample ID: LCS 885-13820/2-A

Matrix: Solid

Analysis Batch: 13926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 13820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	28.1		mg/Kg		112	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	223		35 - 166				

Lab Sample ID: 885-13234-1 MS

Matrix: Solid

Analysis Batch: 13926

Client Sample ID: P-2W35A

Prep Type: Total/NA

Prep Batch: 13820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.8	28.0		mg/Kg		113	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	237		35 - 166						

Lab Sample ID: 885-13234-1 MSD

Matrix: Solid

Analysis Batch: 13926

Client Sample ID: P-2W35A

Prep Type: Total/NA

Prep Batch: 13820

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	30.9		mg/Kg		124	70 - 130	10	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	249		35 - 166								

Lab Sample ID: MB 885-13900/1-A

Matrix: Solid

Analysis Batch: 14083

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 13900

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 13:35	10/10/24 22:37	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-13900/1-A
 Matrix: Solid
 Analysis Batch: 14083

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13900

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166	10/08/24 13:35	10/10/24 22:37	1

Lab Sample ID: LCS 885-13900/2-A
 Matrix: Solid
 Analysis Batch: 14083

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	26.0		mg/Kg		104	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	219		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-13820/1-A
 Matrix: Solid
 Analysis Batch: 13928

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13820

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/07/24 13:36	10/08/24 11:59	1
Ethylbenzene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 11:59	1
Toluene	ND		0.050	mg/Kg		10/07/24 13:36	10/08/24 11:59	1
Xylenes, Total	ND		0.10	mg/Kg		10/07/24 13:36	10/08/24 11:59	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145	10/07/24 13:36	10/08/24 11:59	1

Lab Sample ID: LCS 885-13820/3-A
 Matrix: Solid
 Analysis Batch: 13928

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13820

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.956		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.970		mg/Kg		97	70 - 130
Toluene	1.00	0.957		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	2.00	1.92		mg/Kg		96	70 - 130
o-Xylene	1.00	0.953		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		48 - 145

Lab Sample ID: 885-13234-2 MS
 Matrix: Solid
 Analysis Batch: 13928

Client Sample ID: P2-IW2.2A
 Prep Type: Total/NA
 Prep Batch: 13820

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		1.00	1.23		mg/Kg		123	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-13234-2 MS

Client Sample ID: P2-IW2.2A

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 13928

Prep Batch: 13820

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Ethylbenzene	ND		1.00	1.28		mg/Kg		128	70 - 130
Toluene	ND		1.00	1.24		mg/Kg		124	70 - 130
m-Xylene & p-Xylene	ND		2.00	2.53		mg/Kg		127	70 - 130
o-Xylene	ND		1.00	1.25		mg/Kg		125	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	109		48 - 145

Lab Sample ID: 885-13234-2 MSD

Client Sample ID: P2-IW2.2A

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 13928

Prep Batch: 13820

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD
	Result	Qualifier	Added	Result	Qualifier					
Benzene	ND		0.994	1.21		mg/Kg		122	70 - 130	1
Ethylbenzene	ND		0.994	1.27		mg/Kg		128	70 - 130	0
Toluene	ND		0.994	1.24		mg/Kg		125	70 - 130	0
m-Xylene & p-Xylene	ND		1.99	2.51		mg/Kg		126	70 - 130	1
o-Xylene	ND		0.994	1.25		mg/Kg		125	70 - 130	0

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		48 - 145

Lab Sample ID: MB 885-13900/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14084

Prep Batch: 13900

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		10/08/24 13:35	10/10/24 22:37	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 13:35	10/10/24 22:37	1
Toluene	ND		0.050	mg/Kg		10/08/24 13:35	10/10/24 22:37	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 13:35	10/10/24 22:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	104		48 - 145	10/08/24 13:35	10/10/24 22:37	1

Lab Sample ID: LCS 885-13900/3-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14084

Prep Batch: 13900

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec
		Result	Qualifier				
Benzene	1.00	0.943		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.962		mg/Kg		96	70 - 130
Toluene	1.00	0.925		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	2.00	1.92		mg/Kg		96	70 - 130
o-Xylene	1.00	0.954		mg/Kg		95	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-13900/3-A
 Matrix: Solid
 Analysis Batch: 14084

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13900

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-13860/1-A
 Matrix: Solid
 Analysis Batch: 13857

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13860

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/08/24 08:58	10/08/24 13:00	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 08:58	10/08/24 13:00	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134	10/08/24 08:58	10/08/24 13:00	1

Lab Sample ID: LCS 885-13860/2-A
 Matrix: Solid
 Analysis Batch: 13857

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13860

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	51.2		mg/Kg		102	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	105		62 - 134

Lab Sample ID: MB 885-13911/1-A
 Matrix: Solid
 Analysis Batch: 13950

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13911

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/08/24 14:53	10/10/24 04:42	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 14:53	10/10/24 04:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134	10/08/24 14:53	10/10/24 04:42	1

Lab Sample ID: LCS 885-13911/2-A
 Matrix: Solid
 Analysis Batch: 13950

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13911

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	40.2		mg/Kg		80	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	95		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-13881/1-A
 Matrix: Solid
 Analysis Batch: 13951

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13881

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/08/24 10:30	10/08/24 12:26	1

Lab Sample ID: LCS 885-13881/2-A
 Matrix: Solid
 Analysis Batch: 13951

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13881

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: 885-13234-1 MS
 Matrix: Solid
 Analysis Batch: 13951

Client Sample ID: P-2W35A
 Prep Type: Total/NA
 Prep Batch: 13881

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	160		30.1	189	4	mg/Kg		95	50 - 150

Lab Sample ID: MB 885-13916/1-A
 Matrix: Solid
 Analysis Batch: 13985

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13916

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/08/24 16:13	10/09/24 10:35	1

Lab Sample ID: LCS 885-13916/2-A
 Matrix: Solid
 Analysis Batch: 13985

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13916

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.2		mg/Kg		97	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

GC VOA

Prep Batch: 13820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	5030C	
885-13234-2	P2-IW2.2A	Total/NA	Solid	5030C	
885-13234-3	P2-IW6.6A	Total/NA	Solid	5030C	
885-13234-4	P2-IW8A	Total/NA	Solid	5030C	
885-13234-5	P2-IW10A	Total/NA	Solid	5030C	
885-13234-6	P2-IW11A	Total/NA	Solid	5030C	
885-13234-7	P2-IW12A	Total/NA	Solid	5030C	
885-13234-8	P2-IW17A	Total/NA	Solid	5030C	
885-13234-9	P-W28B	Total/NA	Solid	5030C	
885-13234-10	PS-67A	Total/NA	Solid	5030C	
MB 885-13820/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13820/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13820/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-13234-1 MS	P-2W35A	Total/NA	Solid	5030C	
885-13234-1 MSD	P-2W35A	Total/NA	Solid	5030C	
885-13234-2 MS	P2-IW2.2A	Total/NA	Solid	5030C	
885-13234-2 MSD	P2-IW2.2A	Total/NA	Solid	5030C	

Prep Batch: 13900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	5030C	
885-13234-12	PS-69A	Total/NA	Solid	5030C	
885-13234-13	PS-73	Total/NA	Solid	5030C	
885-13234-14	PS-74	Total/NA	Solid	5030C	
885-13234-15	PS-75	Total/NA	Solid	5030C	
MB 885-13900/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13900/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13900/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 13926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	8015M/D	13820
885-13234-2	P2-IW2.2A	Total/NA	Solid	8015M/D	13820
885-13234-3	P2-IW6.6A	Total/NA	Solid	8015M/D	13820
885-13234-4	P2-IW8A	Total/NA	Solid	8015M/D	13820
885-13234-5	P2-IW10A	Total/NA	Solid	8015M/D	13820
885-13234-6	P2-IW11A	Total/NA	Solid	8015M/D	13820
885-13234-7	P2-IW12A	Total/NA	Solid	8015M/D	13820
885-13234-8	P2-IW17A	Total/NA	Solid	8015M/D	13820
885-13234-9	P-W28B	Total/NA	Solid	8015M/D	13820
885-13234-10	PS-67A	Total/NA	Solid	8015M/D	13820
MB 885-13820/1-A	Method Blank	Total/NA	Solid	8015M/D	13820
LCS 885-13820/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13820
885-13234-1 MS	P-2W35A	Total/NA	Solid	8015M/D	13820
885-13234-1 MSD	P-2W35A	Total/NA	Solid	8015M/D	13820

Analysis Batch: 13928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	8021B	13820
885-13234-2	P2-IW2.2A	Total/NA	Solid	8021B	13820
885-13234-3	P2-IW6.6A	Total/NA	Solid	8021B	13820

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13234-1

GC VOA (Continued)

Analysis Batch: 13928 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-4	P2-IW8A	Total/NA	Solid	8021B	13820
885-13234-5	P2-IW10A	Total/NA	Solid	8021B	13820
885-13234-6	P2-IW11A	Total/NA	Solid	8021B	13820
885-13234-7	P2-IW12A	Total/NA	Solid	8021B	13820
885-13234-8	P2-IW17A	Total/NA	Solid	8021B	13820
885-13234-9	P-W28B	Total/NA	Solid	8021B	13820
885-13234-10	PS-67A	Total/NA	Solid	8021B	13820
MB 885-13820/1-A	Method Blank	Total/NA	Solid	8021B	13820
LCS 885-13820/3-A	Lab Control Sample	Total/NA	Solid	8021B	13820
885-13234-2 MS	P2-IW2.2A	Total/NA	Solid	8021B	13820
885-13234-2 MSD	P2-IW2.2A	Total/NA	Solid	8021B	13820

Analysis Batch: 14083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	8015M/D	13900
885-13234-12	PS-69A	Total/NA	Solid	8015M/D	13900
885-13234-13	PS-73	Total/NA	Solid	8015M/D	13900
885-13234-14	PS-74	Total/NA	Solid	8015M/D	13900
885-13234-15	PS-75	Total/NA	Solid	8015M/D	13900
MB 885-13900/1-A	Method Blank	Total/NA	Solid	8015M/D	13900
LCS 885-13900/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13900

Analysis Batch: 14084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	8021B	13900
885-13234-12	PS-69A	Total/NA	Solid	8021B	13900
885-13234-13	PS-73	Total/NA	Solid	8021B	13900
885-13234-14	PS-74	Total/NA	Solid	8021B	13900
885-13234-15	PS-75	Total/NA	Solid	8021B	13900
MB 885-13900/1-A	Method Blank	Total/NA	Solid	8021B	13900
LCS 885-13900/3-A	Lab Control Sample	Total/NA	Solid	8021B	13900

GC Semi VOA

Analysis Batch: 13857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	8015M/D	13860
885-13234-2	P2-IW2.2A	Total/NA	Solid	8015M/D	13860
885-13234-3	P2-IW6.6A	Total/NA	Solid	8015M/D	13860
885-13234-4	P2-IW8A	Total/NA	Solid	8015M/D	13860
885-13234-5	P2-IW10A	Total/NA	Solid	8015M/D	13860
885-13234-6	P2-IW11A	Total/NA	Solid	8015M/D	13860
885-13234-7	P2-IW12A	Total/NA	Solid	8015M/D	13860
885-13234-8	P2-IW17A	Total/NA	Solid	8015M/D	13860
885-13234-9	P-W28B	Total/NA	Solid	8015M/D	13860
885-13234-10	PS-67A	Total/NA	Solid	8015M/D	13860
MB 885-13860/1-A	Method Blank	Total/NA	Solid	8015M/D	13860
LCS 885-13860/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13860

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13234-1

GC Semi VOA

Prep Batch: 13860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	SHAKE	
885-13234-2	P2-IW2.2A	Total/NA	Solid	SHAKE	
885-13234-3	P2-IW6.6A	Total/NA	Solid	SHAKE	
885-13234-4	P2-IW8A	Total/NA	Solid	SHAKE	
885-13234-5	P2-IW10A	Total/NA	Solid	SHAKE	
885-13234-6	P2-IW11A	Total/NA	Solid	SHAKE	
885-13234-7	P2-IW12A	Total/NA	Solid	SHAKE	
885-13234-8	P2-IW17A	Total/NA	Solid	SHAKE	
885-13234-9	P-W28B	Total/NA	Solid	SHAKE	
885-13234-10	PS-67A	Total/NA	Solid	SHAKE	
MB 885-13860/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13860/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 13911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	SHAKE	
885-13234-12	PS-69A	Total/NA	Solid	SHAKE	
885-13234-13	PS-73	Total/NA	Solid	SHAKE	
885-13234-14	PS-74	Total/NA	Solid	SHAKE	
885-13234-15	PS-75	Total/NA	Solid	SHAKE	
MB 885-13911/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13911/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 13950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	8015M/D	13911
885-13234-12	PS-69A	Total/NA	Solid	8015M/D	13911
885-13234-13	PS-73	Total/NA	Solid	8015M/D	13911
885-13234-14	PS-74	Total/NA	Solid	8015M/D	13911
885-13234-15	PS-75	Total/NA	Solid	8015M/D	13911
MB 885-13911/1-A	Method Blank	Total/NA	Solid	8015M/D	13911
LCS 885-13911/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13911

HPLC/IC

Prep Batch: 13881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	300_Prep	
885-13234-2	P2-IW2.2A	Total/NA	Solid	300_Prep	
885-13234-3	P2-IW6.6A	Total/NA	Solid	300_Prep	
885-13234-4	P2-IW8A	Total/NA	Solid	300_Prep	
885-13234-5	P2-IW10A	Total/NA	Solid	300_Prep	
885-13234-6	P2-IW11A	Total/NA	Solid	300_Prep	
885-13234-7	P2-IW12A	Total/NA	Solid	300_Prep	
885-13234-8	P2-IW17A	Total/NA	Solid	300_Prep	
885-13234-9	P-W28B	Total/NA	Solid	300_Prep	
885-13234-10	PS-67A	Total/NA	Solid	300_Prep	
MB 885-13881/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-13881/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-13234-1 MS	P-2W35A	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

HPLC/IC

Prep Batch: 13916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-11	PS-68A	Total/NA	Solid	300_Prep	
885-13234-12	PS-69A	Total/NA	Solid	300_Prep	
885-13234-13	PS-73	Total/NA	Solid	300_Prep	
885-13234-14	PS-74	Total/NA	Solid	300_Prep	
885-13234-15	PS-75	Total/NA	Solid	300_Prep	
MB 885-13916/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-13916/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 13951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-1	P-2W35A	Total/NA	Solid	300.0	13881
885-13234-2	P2-IW2.2A	Total/NA	Solid	300.0	13881
885-13234-4	P2-IW8A	Total/NA	Solid	300.0	13881
885-13234-6	P2-IW11A	Total/NA	Solid	300.0	13881
885-13234-9	P-W28B	Total/NA	Solid	300.0	13881
885-13234-10	PS-67A	Total/NA	Solid	300.0	13881
MB 885-13881/1-A	Method Blank	Total/NA	Solid	300.0	13881
LCS 885-13881/2-A	Lab Control Sample	Total/NA	Solid	300.0	13881
885-13234-1 MS	P-2W35A	Total/NA	Solid	300.0	13881

Analysis Batch: 13985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13234-3	P2-IW6.6A	Total/NA	Solid	300.0	13881
885-13234-5	P2-IW10A	Total/NA	Solid	300.0	13881
885-13234-7	P2-IW12A	Total/NA	Solid	300.0	13881
885-13234-8	P2-IW17A	Total/NA	Solid	300.0	13881
885-13234-11	PS-68A	Total/NA	Solid	300.0	13916
885-13234-12	PS-69A	Total/NA	Solid	300.0	13916
885-13234-13	PS-73	Total/NA	Solid	300.0	13916
885-13234-14	PS-74	Total/NA	Solid	300.0	13916
885-13234-15	PS-75	Total/NA	Solid	300.0	13916
MB 885-13916/1-A	Method Blank	Total/NA	Solid	300.0	13916
LCS 885-13916/2-A	Lab Control Sample	Total/NA	Solid	300.0	13916

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P-2W35A

Lab Sample ID: 885-13234-1

Date Collected: 10/03/24 09:00

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 13:05
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 13:05
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 13:23
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 12:04

Client Sample ID: P2-IW2.2A

Lab Sample ID: 885-13234-2

Date Collected: 10/03/24 09:10

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 14:10
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 14:10
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 13:36
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 13:03

Client Sample ID: P2-IW6.6A

Lab Sample ID: 885-13234-3

Date Collected: 10/03/24 09:12

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 15:15
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 15:15
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 13:48
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		100	13985	EH	EET ALB	10/09/24 19:40

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13234-4

Date Collected: 10/03/24 09:14

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 15:36

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13234-4

Date Collected: 10/03/24 09:14

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 15:36
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 14:00
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 13:28

Client Sample ID: P2-IW10A

Lab Sample ID: 885-13234-5

Date Collected: 10/03/24 09:16

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 15:58
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 15:58
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 14:12
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		100	13985	EH	EET ALB	10/09/24 19:52

Client Sample ID: P2-IW11A

Lab Sample ID: 885-13234-6

Date Collected: 10/03/24 09:20

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 16:20
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 16:20
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 14:24
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 14:17

Client Sample ID: P2-IW12A

Lab Sample ID: 885-13234-7

Date Collected: 10/03/24 09:30

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 16:42
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 16:42

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: P2-IW12A

Lab Sample ID: 885-13234-7

Date Collected: 10/03/24 09:30

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 14:36
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		100	13985	EH	EET ALB	10/09/24 20:29

Client Sample ID: P2-IW17A

Lab Sample ID: 885-13234-8

Date Collected: 10/03/24 09:40

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 17:03
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 17:03
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 14:48
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		100	13985	EH	EET ALB	10/09/24 20:42

Client Sample ID: P-W28B

Lab Sample ID: 885-13234-9

Date Collected: 10/03/24 10:10

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 17:25
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 17:25
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 15:12
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 14:54

Client Sample ID: PS-67A

Lab Sample ID: 885-13234-10

Date Collected: 10/03/24 10:12

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8015M/D		1	13926	AT	EET ALB	10/08/24 17:47
Total/NA	Prep	5030C			13820	AT	EET ALB	10/07/24 13:36
Total/NA	Analysis	8021B		1	13928	AT	EET ALB	10/08/24 17:47
Total/NA	Prep	SHAKE			13860	EM	EET ALB	10/08/24 08:58
Total/NA	Analysis	8015M/D		1	13857	EM	EET ALB	10/08/24 15:24

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-67A

Lab Sample ID: 885-13234-10

Date Collected: 10/03/24 10:12

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			13881	EH	EET ALB	10/08/24 10:30
Total/NA	Analysis	300.0		20	13951	RC	EET ALB	10/08/24 15:06

Client Sample ID: PS-68A

Lab Sample ID: 885-13234-11

Date Collected: 10/03/24 10:14

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/11/24 02:31
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/11/24 02:31
Total/NA	Prep	SHAKE			13911	EM	EET ALB	10/08/24 14:53
Total/NA	Analysis	8015M/D		1	13950	EM	EET ALB	10/10/24 06:07
Total/NA	Prep	300_Prep			13916	EH	EET ALB	10/08/24 16:13
Total/NA	Analysis	300.0		20	13985	EH	EET ALB	10/09/24 15:45

Client Sample ID: PS-69A

Lab Sample ID: 885-13234-12

Date Collected: 10/03/24 10:16

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/11/24 02:55
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/11/24 02:55
Total/NA	Prep	SHAKE			13911	EM	EET ALB	10/08/24 14:53
Total/NA	Analysis	8015M/D		1	13950	EM	EET ALB	10/10/24 06:19
Total/NA	Prep	300_Prep			13916	EH	EET ALB	10/08/24 16:13
Total/NA	Analysis	300.0		20	13985	EH	EET ALB	10/09/24 15:58

Client Sample ID: PS-73

Lab Sample ID: 885-13234-13

Date Collected: 10/03/24 10:22

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/11/24 03:18
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/11/24 03:18
Total/NA	Prep	SHAKE			13911	EM	EET ALB	10/08/24 14:53
Total/NA	Analysis	8015M/D		1	13950	EM	EET ALB	10/10/24 06:31
Total/NA	Prep	300_Prep			13916	EH	EET ALB	10/08/24 16:13
Total/NA	Analysis	300.0		20	13985	EH	EET ALB	10/09/24 16:10

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13234-1

Client Sample ID: PS-74

Lab Sample ID: 885-13234-14

Date Collected: 10/03/24 10:24

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/11/24 03:42
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/11/24 03:42
Total/NA	Prep	SHAKE			13911	EM	EET ALB	10/08/24 14:53
Total/NA	Analysis	8015M/D		1	13950	EM	EET ALB	10/10/24 06:55
Total/NA	Prep	300_Prep			13916	EH	EET ALB	10/08/24 16:13
Total/NA	Analysis	300.0		20	13985	EH	EET ALB	10/09/24 16:22

Client Sample ID: PS-75

Lab Sample ID: 885-13234-15

Date Collected: 10/03/24 10:28

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/11/24 04:06
Total/NA	Prep	5030C			13900	AT	EET ALB	10/08/24 13:35
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/11/24 04:06
Total/NA	Prep	SHAKE			13911	EM	EET ALB	10/08/24 14:53
Total/NA	Analysis	8015M/D		1	13950	EM	EET ALB	10/10/24 07:07
Total/NA	Prep	300_Prep			13916	EH	EET ALB	10/08/24 16:13
Total/NA	Analysis	300.0		20	13985	EH	EET ALB	10/09/24 16:35

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13234-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
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- 5
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- 8
- 9
- 10

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-13234-1

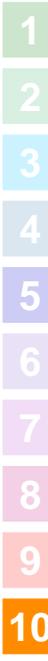
Login Number: 13234

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

- 1
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- 11

ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
 Ranger Environmental Services, Inc
 7215 McNeil Drive
 PO BOX 201179
 Austin, Texas 78729

Generated 10/22/2024 9:33:13 AM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-13655-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
10/22/2024 9:33:13 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-13655-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-13655-1

Job ID: 885-13655-1

Eurofins Albuquerque

Job Narrative 885-13655-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/12/2024 7:39 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-14195 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: PS-76 (885-13655-1), PS-77 (885-13655-2), PS-78 (885-13655-3), PS-79 (885-13655-4), PS-80 (885-13655-5), PS-81 (885-13655-6), PS-82 (885-13655-7), PS-83 (885-13655-8), PS-84 (885-13655-9) and PS-85 (885-13655-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-76

Lab Sample ID: 885-13655-1

Date Collected: 10/08/24 09:30

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/14/24 11:35	10/15/24 16:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 16:02	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 16:02	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 16:02	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			10/14/24 11:35	10/15/24 16:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/14/24 12:31	10/14/24 17:37	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/14/24 12:31	10/14/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			10/14/24 12:31	10/14/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		10/14/24 16:23	10/15/24 20:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-77

Lab Sample ID: 885-13655-2

Date Collected: 10/08/24 09:34

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/14/24 11:35	10/15/24 17:08	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 17:08	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 17:08	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 17:08	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 17:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 17:08	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/14/24 12:31	10/14/24 17:48	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/14/24 12:31	10/14/24 17:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/14/24 12:31	10/14/24 17:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		10/14/24 16:23	10/15/24 21:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-78

Lab Sample ID: 885-13655-3

Date Collected: 10/08/24 09:40

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/14/24 11:35	10/15/24 18:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 18:13	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 18:13	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 18:13	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 18:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 18:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		10/14/24 12:31	10/14/24 17:59	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/14/24 12:31	10/14/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/14/24 12:31	10/14/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		10/14/24 16:23	10/15/24 21:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-79

Lab Sample ID: 885-13655-4

Date Collected: 10/08/24 09:42

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			10/14/24 11:35	10/15/24 18:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 18:34	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 18:34	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 18:34	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 18:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 18:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		10/14/24 12:31	10/14/24 18:10	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/14/24 12:31	10/14/24 18:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			10/14/24 12:31	10/14/24 18:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		10/14/24 16:23	10/15/24 21:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-80

Lab Sample ID: 885-13655-5

Date Collected: 10/08/24 09:46

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			10/14/24 11:35	10/15/24 18:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 18:56	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 18:56	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 18:56	1
Xylenes, Total	ND		0.098	mg/Kg		10/14/24 11:35	10/15/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 18:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		10/14/24 12:31	10/14/24 18:21	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		10/14/24 12:31	10/14/24 18:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			10/14/24 12:31	10/14/24 18:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		10/14/24 16:23	10/15/24 21:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-81

Lab Sample ID: 885-13655-6

Date Collected: 10/08/24 09:50

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			10/14/24 11:35	10/15/24 19:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 19:18	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 19:18	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 19:18	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/14/24 11:35	10/15/24 19:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/14/24 12:31	10/14/24 18:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/14/24 12:31	10/14/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			10/14/24 12:31	10/14/24 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		10/14/24 17:07	10/15/24 15:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-82

Lab Sample ID: 885-13655-7

Date Collected: 10/08/24 09:52

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			10/14/24 11:35	10/15/24 19:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 19:39	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 19:39	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 19:39	1
Xylenes, Total	ND		0.097	mg/Kg		10/14/24 11:35	10/15/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/14/24 11:35	10/15/24 19:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		10/14/24 12:31	10/14/24 18:43	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		10/14/24 12:31	10/14/24 18:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/14/24 12:31	10/14/24 18:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		10/14/24 17:07	10/15/24 15:19	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-83

Lab Sample ID: 885-13655-8

Date Collected: 10/08/24 09:58

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			10/14/24 11:35	10/15/24 20:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 20:01	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 20:01	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 20:01	1
Xylenes, Total	ND		0.098	mg/Kg		10/14/24 11:35	10/15/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/14/24 11:35	10/15/24 20:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/14/24 12:31	10/14/24 18:55	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/14/24 12:31	10/14/24 18:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			10/14/24 12:31	10/14/24 18:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		10/14/24 17:07	10/15/24 15:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-84

Lab Sample ID: 885-13655-9

Date Collected: 10/08/24 10:00

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/14/24 11:35	10/15/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/14/24 11:35	10/15/24 20:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 20:23	1
Ethylbenzene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 20:23	1
Toluene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 20:23	1
Xylenes, Total	ND		0.094	mg/Kg		10/14/24 11:35	10/15/24 20:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/14/24 11:35	10/15/24 20:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/14/24 12:31	10/14/24 19:06	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/14/24 12:31	10/14/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			10/14/24 12:31	10/14/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		10/14/24 17:07	10/15/24 15:45	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-85

Lab Sample ID: 885-13655-10

Date Collected: 10/08/24 10:02

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/14/24 11:35	10/15/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			10/14/24 11:35	10/15/24 20:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 20:44	1
Ethylbenzene	ND		0.048	mg/Kg		10/14/24 11:35	10/15/24 20:44	1
Toluene	ND		0.048	mg/Kg		10/14/24 11:35	10/15/24 20:44	1
Xylenes, Total	ND		0.096	mg/Kg		10/14/24 11:35	10/15/24 20:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 20:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		10/14/24 12:31	10/14/24 19:17	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/14/24 12:31	10/14/24 19:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/14/24 12:31	10/14/24 19:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		10/14/24 17:07	10/15/24 15:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-86

Lab Sample ID: 885-13655-11

Date Collected: 10/08/24 10:08

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/14/24 11:35	10/15/24 21:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 21:28	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 21:28	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 21:28	1
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 21:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			10/14/24 11:35	10/15/24 21:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/15/24 11:59	10/15/24 13:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/15/24 11:59	10/15/24 13:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			10/15/24 11:59	10/15/24 13:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99		60	mg/Kg		10/15/24 12:47	10/15/24 14:47	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-87

Lab Sample ID: 885-13655-12

Date Collected: 10/08/24 10:12

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			10/14/24 11:35	10/15/24 21:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 21:49	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 21:49	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 21:49	1
Xylenes, Total	ND		0.098	mg/Kg		10/14/24 11:35	10/15/24 21:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 21:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/15/24 11:59	10/15/24 13:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/15/24 11:59	10/15/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/15/24 11:59	10/15/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		60	mg/Kg		10/15/24 12:47	10/15/24 15:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-88

Lab Sample ID: 885-13655-13

Date Collected: 10/08/24 10:16

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/14/24 11:35	10/15/24 22:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			10/14/24 11:35	10/15/24 22:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/14/24 11:35	10/15/24 22:11	1
Ethylbenzene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 22:11	1
Toluene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 22:11	1
Xylenes, Total	ND		0.094	mg/Kg		10/14/24 11:35	10/15/24 22:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 22:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/15/24 11:59	10/15/24 13:39	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/15/24 11:59	10/15/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			10/15/24 11:59	10/15/24 13:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		10/15/24 12:47	10/15/24 15:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-89

Lab Sample ID: 885-13655-14

Date Collected: 10/08/24 10:20

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			10/14/24 11:35	10/15/24 22:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 22:33	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 22:33	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 22:33	1
Xylenes, Total	ND		0.097	mg/Kg		10/14/24 11:35	10/15/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/15/24 22:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/15/24 11:59	10/15/24 13:50	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/15/24 11:59	10/15/24 13:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			10/15/24 11:59	10/15/24 13:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	99		60	mg/Kg		10/15/24 12:47	10/15/24 15:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-90

Lab Sample ID: 885-13655-15

Date Collected: 10/08/24 10:24

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/14/24 11:35	10/15/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			10/14/24 11:35	10/15/24 22:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 22:54	1
Ethylbenzene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 22:54	1
Toluene	ND		0.047	mg/Kg		10/14/24 11:35	10/15/24 22:54	1
Xylenes, Total	ND		0.095	mg/Kg		10/14/24 11:35	10/15/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/14/24 11:35	10/15/24 22:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/15/24 11:59	10/16/24 13:28	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/15/24 11:59	10/16/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/15/24 11:59	10/16/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	94		60	mg/Kg		10/15/24 12:47	10/15/24 15:59	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-91

Lab Sample ID: 885-13655-16

Date Collected: 10/08/24 10:30

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/14/24 11:35	10/15/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/14/24 11:35	10/15/24 23:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 23:16	1
Ethylbenzene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 23:16	1
Toluene	ND		0.049	mg/Kg		10/14/24 11:35	10/15/24 23:16	1
Xylenes, Total	ND		0.098	mg/Kg		10/14/24 11:35	10/15/24 23:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/14/24 11:35	10/15/24 23:16	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/15/24 11:59	10/15/24 14:11	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/15/24 11:59	10/15/24 14:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/15/24 11:59	10/15/24 14:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		10/15/24 12:47	10/15/24 16:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-92

Lab Sample ID: 885-13655-17

Date Collected: 10/08/24 10:32

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/14/24 11:35	10/15/24 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			10/14/24 11:35	10/15/24 23:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/15/24 23:38	1
Ethylbenzene	ND		0.048	mg/Kg		10/14/24 11:35	10/15/24 23:38	1
Toluene	ND		0.048	mg/Kg		10/14/24 11:35	10/15/24 23:38	1
Xylenes, Total	ND		0.096	mg/Kg		10/14/24 11:35	10/15/24 23:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/14/24 11:35	10/15/24 23:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/15/24 11:59	10/15/24 14:22	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/15/24 11:59	10/15/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/15/24 11:59	10/15/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	96		60	mg/Kg		10/15/24 12:47	10/15/24 16:38	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-93

Lab Sample ID: 885-13655-18

Date Collected: 10/08/24 10:36

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/14/24 11:35	10/16/24 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			10/14/24 11:35	10/16/24 00:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/16/24 00:00	1
Ethylbenzene	ND		0.048	mg/Kg		10/14/24 11:35	10/16/24 00:00	1
Toluene	ND		0.048	mg/Kg		10/14/24 11:35	10/16/24 00:00	1
Xylenes, Total	ND		0.096	mg/Kg		10/14/24 11:35	10/16/24 00:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			10/14/24 11:35	10/16/24 00:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/15/24 11:59	10/15/24 14:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/15/24 11:59	10/15/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/15/24 11:59	10/15/24 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		10/15/24 12:47	10/15/24 16:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-94

Lab Sample ID: 885-13655-19

Date Collected: 10/08/24 10:38

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/14/24 11:35	10/16/24 00:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			10/14/24 11:35	10/16/24 00:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/16/24 00:21	1
Ethylbenzene	ND		0.048	mg/Kg		10/14/24 11:35	10/16/24 00:21	1
Toluene	ND		0.048	mg/Kg		10/14/24 11:35	10/16/24 00:21	1
Xylenes, Total	ND		0.095	mg/Kg		10/14/24 11:35	10/16/24 00:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/16/24 00:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.4	mg/Kg		10/15/24 11:59	10/15/24 14:43	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		10/15/24 11:59	10/15/24 14:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/15/24 11:59	10/15/24 14:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		60	mg/Kg		10/15/24 12:47	10/15/24 16:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-95

Lab Sample ID: 885-13655-20

Date Collected: 10/08/24 10:40

Matrix: Solid

Date Received: 10/12/24 07:39

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/14/24 11:35	10/16/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/14/24 11:35	10/16/24 00:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/14/24 11:35	10/16/24 00:43	1
Ethylbenzene	ND		0.047	mg/Kg		10/14/24 11:35	10/16/24 00:43	1
Toluene	ND		0.047	mg/Kg		10/14/24 11:35	10/16/24 00:43	1
Xylenes, Total	ND		0.095	mg/Kg		10/14/24 11:35	10/16/24 00:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/14/24 11:35	10/16/24 00:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/15/24 11:59	10/15/24 14:54	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		10/15/24 11:59	10/15/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			10/15/24 11:59	10/15/24 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220	F2	59	mg/Kg		10/15/24 12:47	10/15/24 17:08	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-14245/1-A
 Matrix: Solid
 Analysis Batch: 14381

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14245

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/14/24 11:35	10/15/24 15:41	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/14/24 11:35	10/15/24 15:41	1

Lab Sample ID: LCS 885-14245/2-A
 Matrix: Solid
 Analysis Batch: 14381

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	27.7		mg/Kg		111	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	225		35 - 166				

Lab Sample ID: 885-13655-1 MS
 Matrix: Solid
 Analysis Batch: 14381

Client Sample ID: PS-76
 Prep Type: Total/NA
 Prep Batch: 14245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	28.7		mg/Kg		116	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	227		35 - 166						

Lab Sample ID: 885-13655-1 MSD
 Matrix: Solid
 Analysis Batch: 14381

Client Sample ID: PS-76
 Prep Type: Total/NA
 Prep Batch: 14245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.8	28.4		mg/Kg		115	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	234		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-14245/1-A
 Matrix: Solid
 Analysis Batch: 14382

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14245

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/14/24 11:35	10/15/24 15:41	1
Ethylbenzene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 15:41	1
Toluene	ND		0.050	mg/Kg		10/14/24 11:35	10/15/24 15:41	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-14245/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14382

Prep Batch: 14245

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		10/14/24 11:35	10/15/24 15:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145	10/14/24 11:35	10/15/24 15:41	1

Lab Sample ID: LCS 885-14245/3-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14382

Prep Batch: 14245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.998		mg/Kg		100	70 - 130
Ethylbenzene	1.00	0.998		mg/Kg		100	70 - 130
Toluene	1.00	0.992		mg/Kg		99	70 - 130
m-Xylene & p-Xylene	2.00	1.97		mg/Kg		98	70 - 130
o-Xylene	1.00	0.983		mg/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: 885-13655-2 MS

Client Sample ID: PS-77

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14382

Prep Batch: 14245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.994	1.17		mg/Kg		118	70 - 130
Ethylbenzene	ND		0.994	1.19		mg/Kg		120	70 - 130
Toluene	ND		0.994	1.18		mg/Kg		118	70 - 130
m-Xylene & p-Xylene	ND		1.99	2.35		mg/Kg		118	70 - 130
o-Xylene	ND		0.994	1.17		mg/Kg		118	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		48 - 145

Lab Sample ID: 885-13655-2 MSD

Client Sample ID: PS-77

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 14382

Prep Batch: 14245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.993	1.16		mg/Kg		117	70 - 130	1	20
Ethylbenzene	ND		0.993	1.19		mg/Kg		120	70 - 130	0	20
Toluene	ND		0.993	1.17		mg/Kg		117	70 - 130	1	20
m-Xylene & p-Xylene	ND		1.99	2.35		mg/Kg		118	70 - 130	0	20
o-Xylene	ND		0.993	1.18		mg/Kg		118	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-14246/1-A
 Matrix: Solid
 Analysis Batch: 14195

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14246

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/14/24 11:51	10/14/24 14:15	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/14/24 11:51	10/14/24 14:15	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			10/14/24 11:51	10/14/24 14:15	1

Lab Sample ID: LCS 885-14246/2-A
 Matrix: Solid
 Analysis Batch: 14195

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	36.8		mg/Kg		74	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	82		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-14269/1-A
 Matrix: Solid
 Analysis Batch: 14338

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14269

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/14/24 16:23	10/15/24 16:09	1

Lab Sample ID: LCS 885-14269/2-A
 Matrix: Solid
 Analysis Batch: 14338

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.7		mg/Kg		102	90 - 110

Lab Sample ID: MB 885-14271/1-A
 Matrix: Solid
 Analysis Batch: 14338

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14271

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/14/24 17:07	10/15/24 11:53	1

Lab Sample ID: LCS 885-14271/2-A
 Matrix: Solid
 Analysis Batch: 14338

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.2		mg/Kg		101	90 - 110

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-14333/1-A
 Matrix: Solid
 Analysis Batch: 14361

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14333

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/15/24 12:47	10/15/24 14:22	1

Lab Sample ID: LCS 885-14333/2-A
 Matrix: Solid
 Analysis Batch: 14361

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14333

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.0		mg/Kg		97	90 - 110

Lab Sample ID: 885-13655-11 MS
 Matrix: Solid
 Analysis Batch: 14361

Client Sample ID: PS-86
 Prep Type: Total/NA
 Prep Batch: 14333

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	99		30.1	132		mg/Kg		109	50 - 150

Lab Sample ID: 885-13655-11 MSD
 Matrix: Solid
 Analysis Batch: 14361

Client Sample ID: PS-86
 Prep Type: Total/NA
 Prep Batch: 14333

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	99		30.1	125		mg/Kg		85	50 - 150	6	20

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

GC VOA

Prep Batch: 14245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	5030C	
885-13655-2	PS-77	Total/NA	Solid	5030C	
885-13655-3	PS-78	Total/NA	Solid	5030C	
885-13655-4	PS-79	Total/NA	Solid	5030C	
885-13655-5	PS-80	Total/NA	Solid	5030C	
885-13655-6	PS-81	Total/NA	Solid	5030C	
885-13655-7	PS-82	Total/NA	Solid	5030C	
885-13655-8	PS-83	Total/NA	Solid	5030C	
885-13655-9	PS-84	Total/NA	Solid	5030C	
885-13655-10	PS-85	Total/NA	Solid	5030C	
885-13655-11	PS-86	Total/NA	Solid	5030C	
885-13655-12	PS-87	Total/NA	Solid	5030C	
885-13655-13	PS-88	Total/NA	Solid	5030C	
885-13655-14	PS-89	Total/NA	Solid	5030C	
885-13655-15	PS-90	Total/NA	Solid	5030C	
885-13655-16	PS-91	Total/NA	Solid	5030C	
885-13655-17	PS-92	Total/NA	Solid	5030C	
885-13655-18	PS-93	Total/NA	Solid	5030C	
885-13655-19	PS-94	Total/NA	Solid	5030C	
885-13655-20	PS-95	Total/NA	Solid	5030C	
MB 885-14245/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-14245/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-14245/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-13655-1 MS	PS-76	Total/NA	Solid	5030C	
885-13655-1 MSD	PS-76	Total/NA	Solid	5030C	
885-13655-2 MS	PS-77	Total/NA	Solid	5030C	
885-13655-2 MSD	PS-77	Total/NA	Solid	5030C	

Analysis Batch: 14381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	8015M/D	14245
885-13655-2	PS-77	Total/NA	Solid	8015M/D	14245
885-13655-3	PS-78	Total/NA	Solid	8015M/D	14245
885-13655-4	PS-79	Total/NA	Solid	8015M/D	14245
885-13655-5	PS-80	Total/NA	Solid	8015M/D	14245
885-13655-6	PS-81	Total/NA	Solid	8015M/D	14245
885-13655-7	PS-82	Total/NA	Solid	8015M/D	14245
885-13655-8	PS-83	Total/NA	Solid	8015M/D	14245
885-13655-9	PS-84	Total/NA	Solid	8015M/D	14245
885-13655-10	PS-85	Total/NA	Solid	8015M/D	14245
885-13655-11	PS-86	Total/NA	Solid	8015M/D	14245
885-13655-12	PS-87	Total/NA	Solid	8015M/D	14245
885-13655-13	PS-88	Total/NA	Solid	8015M/D	14245
885-13655-14	PS-89	Total/NA	Solid	8015M/D	14245
885-13655-15	PS-90	Total/NA	Solid	8015M/D	14245
885-13655-16	PS-91	Total/NA	Solid	8015M/D	14245
885-13655-17	PS-92	Total/NA	Solid	8015M/D	14245
885-13655-18	PS-93	Total/NA	Solid	8015M/D	14245
885-13655-19	PS-94	Total/NA	Solid	8015M/D	14245
885-13655-20	PS-95	Total/NA	Solid	8015M/D	14245
MB 885-14245/1-A	Method Blank	Total/NA	Solid	8015M/D	14245

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

GC VOA (Continued)

Analysis Batch: 14381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-14245/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14245
885-13655-1 MS	PS-76	Total/NA	Solid	8015M/D	14245
885-13655-1 MSD	PS-76	Total/NA	Solid	8015M/D	14245

Analysis Batch: 14382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	8021B	14245
885-13655-2	PS-77	Total/NA	Solid	8021B	14245
885-13655-3	PS-78	Total/NA	Solid	8021B	14245
885-13655-4	PS-79	Total/NA	Solid	8021B	14245
885-13655-5	PS-80	Total/NA	Solid	8021B	14245
885-13655-6	PS-81	Total/NA	Solid	8021B	14245
885-13655-7	PS-82	Total/NA	Solid	8021B	14245
885-13655-8	PS-83	Total/NA	Solid	8021B	14245
885-13655-9	PS-84	Total/NA	Solid	8021B	14245
885-13655-10	PS-85	Total/NA	Solid	8021B	14245
885-13655-11	PS-86	Total/NA	Solid	8021B	14245
885-13655-12	PS-87	Total/NA	Solid	8021B	14245
885-13655-13	PS-88	Total/NA	Solid	8021B	14245
885-13655-14	PS-89	Total/NA	Solid	8021B	14245
885-13655-15	PS-90	Total/NA	Solid	8021B	14245
885-13655-16	PS-91	Total/NA	Solid	8021B	14245
885-13655-17	PS-92	Total/NA	Solid	8021B	14245
885-13655-18	PS-93	Total/NA	Solid	8021B	14245
885-13655-19	PS-94	Total/NA	Solid	8021B	14245
885-13655-20	PS-95	Total/NA	Solid	8021B	14245
MB 885-14245/1-A	Method Blank	Total/NA	Solid	8021B	14245
LCS 885-14245/3-A	Lab Control Sample	Total/NA	Solid	8021B	14245
885-13655-2 MS	PS-77	Total/NA	Solid	8021B	14245
885-13655-2 MSD	PS-77	Total/NA	Solid	8021B	14245

GC Semi VOA

Analysis Batch: 14195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	8015M/D	14246
885-13655-2	PS-77	Total/NA	Solid	8015M/D	14246
885-13655-3	PS-78	Total/NA	Solid	8015M/D	14246
885-13655-4	PS-79	Total/NA	Solid	8015M/D	14246
885-13655-5	PS-80	Total/NA	Solid	8015M/D	14246
885-13655-6	PS-81	Total/NA	Solid	8015M/D	14246
885-13655-7	PS-82	Total/NA	Solid	8015M/D	14246
885-13655-8	PS-83	Total/NA	Solid	8015M/D	14246
885-13655-9	PS-84	Total/NA	Solid	8015M/D	14246
885-13655-10	PS-85	Total/NA	Solid	8015M/D	14246
MB 885-14246/1-A	Method Blank	Total/NA	Solid	8015M/D	14246
LCS 885-14246/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14246

Prep Batch: 14246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

GC Semi VOA (Continued)

Prep Batch: 14246 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-2	PS-77	Total/NA	Solid	SHAKE	
885-13655-3	PS-78	Total/NA	Solid	SHAKE	
885-13655-4	PS-79	Total/NA	Solid	SHAKE	
885-13655-5	PS-80	Total/NA	Solid	SHAKE	
885-13655-6	PS-81	Total/NA	Solid	SHAKE	
885-13655-7	PS-82	Total/NA	Solid	SHAKE	
885-13655-8	PS-83	Total/NA	Solid	SHAKE	
885-13655-9	PS-84	Total/NA	Solid	SHAKE	
885-13655-10	PS-85	Total/NA	Solid	SHAKE	
MB 885-14246/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14246/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 14287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-11	PS-86	Total/NA	Solid	SHAKE	
885-13655-12	PS-87	Total/NA	Solid	SHAKE	
885-13655-13	PS-88	Total/NA	Solid	SHAKE	
885-13655-14	PS-89	Total/NA	Solid	SHAKE	
885-13655-15	PS-90	Total/NA	Solid	SHAKE	
885-13655-16	PS-91	Total/NA	Solid	SHAKE	
885-13655-17	PS-92	Total/NA	Solid	SHAKE	
885-13655-18	PS-93	Total/NA	Solid	SHAKE	
885-13655-19	PS-94	Total/NA	Solid	SHAKE	
885-13655-20	PS-95	Total/NA	Solid	SHAKE	

Analysis Batch: 14291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-11	PS-86	Total/NA	Solid	8015M/D	14287
885-13655-12	PS-87	Total/NA	Solid	8015M/D	14287
885-13655-13	PS-88	Total/NA	Solid	8015M/D	14287
885-13655-14	PS-89	Total/NA	Solid	8015M/D	14287
885-13655-16	PS-91	Total/NA	Solid	8015M/D	14287
885-13655-17	PS-92	Total/NA	Solid	8015M/D	14287
885-13655-18	PS-93	Total/NA	Solid	8015M/D	14287
885-13655-19	PS-94	Total/NA	Solid	8015M/D	14287
885-13655-20	PS-95	Total/NA	Solid	8015M/D	14287

Analysis Batch: 14365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-15	PS-90	Total/NA	Solid	8015M/D	14287

HPLC/IC

Prep Batch: 14269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	300_Prep	
885-13655-2	PS-77	Total/NA	Solid	300_Prep	
885-13655-3	PS-78	Total/NA	Solid	300_Prep	
885-13655-4	PS-79	Total/NA	Solid	300_Prep	
885-13655-5	PS-80	Total/NA	Solid	300_Prep	
MB 885-14269/1-A	Method Blank	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

HPLC/IC (Continued)

Prep Batch: 14269 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-14269/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 14271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-6	PS-81	Total/NA	Solid	300_Prep	
885-13655-7	PS-82	Total/NA	Solid	300_Prep	
885-13655-8	PS-83	Total/NA	Solid	300_Prep	
885-13655-9	PS-84	Total/NA	Solid	300_Prep	
885-13655-10	PS-85	Total/NA	Solid	300_Prep	
MB 885-14271/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14271/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 14333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-11	PS-86	Total/NA	Solid	300_Prep	
885-13655-12	PS-87	Total/NA	Solid	300_Prep	
885-13655-13	PS-88	Total/NA	Solid	300_Prep	
885-13655-14	PS-89	Total/NA	Solid	300_Prep	
885-13655-15	PS-90	Total/NA	Solid	300_Prep	
885-13655-16	PS-91	Total/NA	Solid	300_Prep	
885-13655-17	PS-92	Total/NA	Solid	300_Prep	
885-13655-18	PS-93	Total/NA	Solid	300_Prep	
885-13655-19	PS-94	Total/NA	Solid	300_Prep	
885-13655-20	PS-95	Total/NA	Solid	300_Prep	
MB 885-14333/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14333/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-13655-11 MS	PS-86	Total/NA	Solid	300_Prep	
885-13655-11 MSD	PS-86	Total/NA	Solid	300_Prep	

Analysis Batch: 14338

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-1	PS-76	Total/NA	Solid	300.0	14269
885-13655-2	PS-77	Total/NA	Solid	300.0	14269
885-13655-3	PS-78	Total/NA	Solid	300.0	14269
885-13655-4	PS-79	Total/NA	Solid	300.0	14269
885-13655-5	PS-80	Total/NA	Solid	300.0	14269
885-13655-6	PS-81	Total/NA	Solid	300.0	14271
885-13655-7	PS-82	Total/NA	Solid	300.0	14271
885-13655-8	PS-83	Total/NA	Solid	300.0	14271
885-13655-9	PS-84	Total/NA	Solid	300.0	14271
885-13655-10	PS-85	Total/NA	Solid	300.0	14271
MB 885-14269/1-A	Method Blank	Total/NA	Solid	300.0	14269
MB 885-14271/1-A	Method Blank	Total/NA	Solid	300.0	14271
LCS 885-14269/2-A	Lab Control Sample	Total/NA	Solid	300.0	14269
LCS 885-14271/2-A	Lab Control Sample	Total/NA	Solid	300.0	14271

Analysis Batch: 14361

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-11	PS-86	Total/NA	Solid	300.0	14333
885-13655-12	PS-87	Total/NA	Solid	300.0	14333
885-13655-13	PS-88	Total/NA	Solid	300.0	14333

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

HPLC/IC (Continued)

Analysis Batch: 14361 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13655-14	PS-89	Total/NA	Solid	300.0	14333
885-13655-15	PS-90	Total/NA	Solid	300.0	14333
885-13655-16	PS-91	Total/NA	Solid	300.0	14333
885-13655-17	PS-92	Total/NA	Solid	300.0	14333
885-13655-18	PS-93	Total/NA	Solid	300.0	14333
885-13655-19	PS-94	Total/NA	Solid	300.0	14333
885-13655-20	PS-95	Total/NA	Solid	300.0	14333
MB 885-14333/1-A	Method Blank	Total/NA	Solid	300.0	14333
LCS 885-14333/2-A	Lab Control Sample	Total/NA	Solid	300.0	14333
885-13655-11 MS	PS-86	Total/NA	Solid	300.0	14333
885-13655-11 MSD	PS-86	Total/NA	Solid	300.0	14333



Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-76

Lab Sample ID: 885-13655-1

Date Collected: 10/08/24 09:30

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 16:02
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 16:02
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 17:37
Total/NA	Prep	300_Prep			14269	EH	EET ALB	10/14/24 16:23
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 20:40

Client Sample ID: PS-77

Lab Sample ID: 885-13655-2

Date Collected: 10/08/24 09:34

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 17:08
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 17:08
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 17:48
Total/NA	Prep	300_Prep			14269	EH	EET ALB	10/14/24 16:23
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 21:13

Client Sample ID: PS-78

Lab Sample ID: 885-13655-3

Date Collected: 10/08/24 09:40

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 18:13
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 18:13
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 17:59
Total/NA	Prep	300_Prep			14269	EH	EET ALB	10/14/24 16:23
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 21:24

Client Sample ID: PS-79

Lab Sample ID: 885-13655-4

Date Collected: 10/08/24 09:42

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 18:34

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-79

Lab Sample ID: 885-13655-4

Date Collected: 10/08/24 09:42

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 18:34
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 18:10
Total/NA	Prep	300_Prep			14269	EH	EET ALB	10/14/24 16:23
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 21:35

Client Sample ID: PS-80

Lab Sample ID: 885-13655-5

Date Collected: 10/08/24 09:46

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 18:56
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 18:56
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 18:21
Total/NA	Prep	300_Prep			14269	EH	EET ALB	10/14/24 16:23
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 21:46

Client Sample ID: PS-81

Lab Sample ID: 885-13655-6

Date Collected: 10/08/24 09:50

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 19:18
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 19:18
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 18:32
Total/NA	Prep	300_Prep			14271	EH	EET ALB	10/14/24 17:07
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 15:06

Client Sample ID: PS-82

Lab Sample ID: 885-13655-7

Date Collected: 10/08/24 09:52

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 19:39
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 19:39

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-82

Lab Sample ID: 885-13655-7

Date Collected: 10/08/24 09:52

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 18:43
Total/NA	Prep	300_Prep			14271	EH	EET ALB	10/14/24 17:07
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 15:19

Client Sample ID: PS-83

Lab Sample ID: 885-13655-8

Date Collected: 10/08/24 09:58

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 20:01
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 20:01
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 18:55
Total/NA	Prep	300_Prep			14271	EH	EET ALB	10/14/24 17:07
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 15:32

Client Sample ID: PS-84

Lab Sample ID: 885-13655-9

Date Collected: 10/08/24 10:00

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 20:23
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 20:23
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 19:06
Total/NA	Prep	300_Prep			14271	EH	EET ALB	10/14/24 17:07
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 15:45

Client Sample ID: PS-85

Lab Sample ID: 885-13655-10

Date Collected: 10/08/24 10:02

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 20:44
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 20:44
Total/NA	Prep	SHAKE			14246	KR	EET ALB	10/14/24 12:31
Total/NA	Analysis	8015M/D		1	14195	KR	EET ALB	10/14/24 19:17

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-85

Lab Sample ID: 885-13655-10

Date Collected: 10/08/24 10:02

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			14271	EH	EET ALB	10/14/24 17:07
Total/NA	Analysis	300.0		20	14338	EH	EET ALB	10/15/24 15:58

Client Sample ID: PS-86

Lab Sample ID: 885-13655-11

Date Collected: 10/08/24 10:08

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 21:28
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 21:28
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 13:18
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 14:47

Client Sample ID: PS-87

Lab Sample ID: 885-13655-12

Date Collected: 10/08/24 10:12

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 21:49
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 21:49
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 13:28
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 15:24

Client Sample ID: PS-88

Lab Sample ID: 885-13655-13

Date Collected: 10/08/24 10:16

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 22:11
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 22:11
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 13:39
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 15:37

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-89

Lab Sample ID: 885-13655-14

Date Collected: 10/08/24 10:20

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 22:33
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 22:33
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 13:50
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 15:49

Client Sample ID: PS-90

Lab Sample ID: 885-13655-15

Date Collected: 10/08/24 10:24

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 22:54
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 22:54
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14365	EM	EET ALB	10/16/24 13:28
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 15:59

Client Sample ID: PS-91

Lab Sample ID: 885-13655-16

Date Collected: 10/08/24 10:30

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 23:16
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 23:16
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 14:11
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 16:09

Client Sample ID: PS-92

Lab Sample ID: 885-13655-17

Date Collected: 10/08/24 10:32

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/15/24 23:38

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-92

Lab Sample ID: 885-13655-17

Date Collected: 10/08/24 10:32

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/15/24 23:38
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 14:22
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 16:38

Client Sample ID: PS-93

Lab Sample ID: 885-13655-18

Date Collected: 10/08/24 10:36

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/16/24 00:00
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/16/24 00:00
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 14:32
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 16:48

Client Sample ID: PS-94

Lab Sample ID: 885-13655-19

Date Collected: 10/08/24 10:38

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/16/24 00:21
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/16/24 00:21
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 14:43
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 16:58

Client Sample ID: PS-95

Lab Sample ID: 885-13655-20

Date Collected: 10/08/24 10:40

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8015M/D		1	14381	AT	EET ALB	10/16/24 00:43
Total/NA	Prep	5030C			14245	AT	EET ALB	10/14/24 11:35
Total/NA	Analysis	8021B		1	14382	AT	EET ALB	10/16/24 00:43

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

Client Sample ID: PS-95

Lab Sample ID: 885-13655-20

Date Collected: 10/08/24 10:40

Matrix: Solid

Date Received: 10/12/24 07:39

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			14287	EM	EET ALB	10/15/24 11:59
Total/NA	Analysis	8015M/D		1	14291	KR	EET ALB	10/15/24 14:54
Total/NA	Prep	300_Prep			14333	EH	EET ALB	10/15/24 12:47
Total/NA	Analysis	300.0		20	14361	JT	EET ALB	10/15/24 17:08

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13655-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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- 10
- 11

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-13655-1

Login Number: 13655

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
 Ranger Environmental Services, Inc
 7215 McNeil Drive
 PO BOX 201179
 Austin, Texas 78729

Generated 10/24/2024 12:58:28 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-13993-1

Eurofins Albuquerque
 4901 Hawkins NE
 Albuquerque NM 87109



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-13993-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13993-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-13993-1

Job ID: 885-13993-1

Eurofins Albuquerque

Job Narrative 885-13993-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/19/2024 11:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-14629 and analytical batch 885-14585 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-60A

Lab Sample ID: 885-13993-1

Date Collected: 10/17/24 09:30

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		10/21/24 10:29	10/22/24 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			10/21/24 10:29	10/22/24 22:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/21/24 10:29	10/22/24 22:48	1
Ethylbenzene	ND		0.046	mg/Kg		10/21/24 10:29	10/22/24 22:48	1
Toluene	ND		0.046	mg/Kg		10/21/24 10:29	10/22/24 22:48	1
Xylenes, Total	ND		0.093	mg/Kg		10/21/24 10:29	10/22/24 22:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/22/24 22:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/21/24 12:47	10/21/24 15:55	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/21/24 12:47	10/21/24 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/21/24 12:47	10/21/24 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	85		61	mg/Kg		10/21/24 14:25	10/22/24 00:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-73A

Lab Sample ID: 885-13993-2

Date Collected: 10/17/24 09:34

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/22/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			10/21/24 10:29	10/22/24 23:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/22/24 23:11	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 23:11	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 23:11	1
Xylenes, Total	ND		0.095	mg/Kg		10/21/24 10:29	10/22/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/22/24 23:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/21/24 12:47	10/21/24 16:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/21/24 12:47	10/21/24 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72		60	mg/Kg		10/21/24 14:25	10/22/24 01:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-75A

Lab Sample ID: 885-13993-3

Date Collected: 10/17/24 09:36

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/22/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			10/21/24 10:29	10/22/24 23:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/22/24 23:34	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 23:34	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 23:34	1
Xylenes, Total	ND		0.095	mg/Kg		10/21/24 10:29	10/22/24 23:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/21/24 10:29	10/22/24 23:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		10/21/24 12:47	10/21/24 16:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/21/24 12:47	10/21/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			10/21/24 12:47	10/21/24 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		10/21/24 14:25	10/22/24 01:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-74A

Lab Sample ID: 885-13993-4

Date Collected: 10/17/24 09:40

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/21/24 10:29	10/22/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			10/21/24 10:29	10/22/24 23:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/22/24 23:58	1
Ethylbenzene	ND		0.050	mg/Kg		10/21/24 10:29	10/22/24 23:58	1
Toluene	ND		0.050	mg/Kg		10/21/24 10:29	10/22/24 23:58	1
Xylenes, Total	ND		0.10	mg/Kg		10/21/24 10:29	10/22/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			10/21/24 10:29	10/22/24 23:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/21/24 12:47	10/21/24 16:34	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/21/24 12:47	10/21/24 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/21/24 12:47	10/21/24 16:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	86		60	mg/Kg		10/21/24 14:25	10/22/24 01:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW2.2B

Lab Sample ID: 885-13993-5

Date Collected: 10/17/24 10:10

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/21/24 10:29	10/23/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			10/21/24 10:29	10/23/24 00:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/23/24 00:45	1
Ethylbenzene	ND		0.050	mg/Kg		10/21/24 10:29	10/23/24 00:45	1
Toluene	ND		0.050	mg/Kg		10/21/24 10:29	10/23/24 00:45	1
Xylenes, Total	ND		0.099	mg/Kg		10/21/24 10:29	10/23/24 00:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/23/24 00:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/21/24 12:47	10/21/24 16:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/21/24 12:47	10/21/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	76		62 - 134			10/21/24 12:47	10/21/24 16:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		10/21/24 14:25	10/22/24 01:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW6.6C

Lab Sample ID: 885-13993-6

Date Collected: 10/17/24 10:12

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/21/24 10:29	10/23/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			10/21/24 10:29	10/23/24 01:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/23/24 01:09	1
Ethylbenzene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 01:09	1
Toluene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 01:09	1
Xylenes, Total	ND		0.096	mg/Kg		10/21/24 10:29	10/23/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/21/24 10:29	10/23/24 01:09	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/21/24 12:47	10/21/24 16:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 16:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/21/24 12:47	10/21/24 16:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		10/21/24 14:25	10/22/24 02:08	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13993-7

Date Collected: 10/17/24 10:14

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/23/24 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			10/21/24 10:29	10/23/24 01:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/23/24 01:32	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/23/24 01:32	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/23/24 01:32	1
Xylenes, Total	ND		0.094	mg/Kg		10/21/24 10:29	10/23/24 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/23/24 01:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/21/24 12:47	10/21/24 17:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			10/21/24 12:47	10/21/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		10/21/24 14:25	10/22/24 02:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW10B

Lab Sample ID: 885-13993-8

Date Collected: 10/17/24 10:20

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/21/24 10:29	10/23/24 01:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			10/21/24 10:29	10/23/24 01:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/23/24 01:56	1
Ethylbenzene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 01:56	1
Toluene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 01:56	1
Xylenes, Total	ND		0.096	mg/Kg		10/21/24 10:29	10/23/24 01:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			10/21/24 10:29	10/23/24 01:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/21/24 12:47	10/21/24 17:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		10/21/24 12:47	10/21/24 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			10/21/24 12:47	10/21/24 17:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		60	mg/Kg		10/21/24 14:25	10/22/24 02:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW12B

Lab Sample ID: 885-13993-9

Date Collected: 10/17/24 10:24

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/21/24 10:29	10/23/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			10/21/24 10:29	10/23/24 02:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/23/24 02:19	1
Ethylbenzene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 02:19	1
Toluene	ND		0.048	mg/Kg		10/21/24 10:29	10/23/24 02:19	1
Xylenes, Total	ND		0.095	mg/Kg		10/21/24 10:29	10/23/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		48 - 145			10/21/24 10:29	10/23/24 02:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		10/21/24 12:47	10/21/24 17:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 17:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/21/24 12:47	10/21/24 17:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		61	mg/Kg		10/21/24 14:25	10/22/24 02:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW17B

Lab Sample ID: 885-13993-10

Date Collected: 10/17/24 10:26

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/21/24 10:29	10/23/24 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			10/21/24 10:29	10/23/24 02:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/23/24 02:43	1
Ethylbenzene	ND		0.049	mg/Kg		10/21/24 10:29	10/23/24 02:43	1
Toluene	ND		0.049	mg/Kg		10/21/24 10:29	10/23/24 02:43	1
Xylenes, Total	ND		0.099	mg/Kg		10/21/24 10:29	10/23/24 02:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			10/21/24 10:29	10/23/24 02:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/21/24 12:47	10/21/24 18:03	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			10/21/24 12:47	10/21/24 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		61	mg/Kg		10/21/24 14:25	10/22/24 02:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-W28C

Lab Sample ID: 885-13993-11

Date Collected: 10/17/24 10:30

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/21/24 10:29	10/23/24 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			10/21/24 10:29	10/23/24 03:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/23/24 03:06	1
Ethylbenzene	ND		0.049	mg/Kg		10/21/24 10:29	10/23/24 03:06	1
Toluene	ND		0.049	mg/Kg		10/21/24 10:29	10/23/24 03:06	1
Xylenes, Total	ND		0.098	mg/Kg		10/21/24 10:29	10/23/24 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/21/24 10:29	10/23/24 03:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		10/21/24 12:47	10/21/24 18:16	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/21/24 12:47	10/21/24 18:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			10/21/24 12:47	10/21/24 18:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140	F2	61	mg/Kg		10/21/24 14:25	10/22/24 03:02	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: LCS 885-14592/2-A
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.6		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	202		35 - 166

Lab Sample ID: MB 885-4592/1-A
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/08/24 12:36	10/22/24 17:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166	05/08/24 12:36	10/22/24 17:40	1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-14592/3-A
 Matrix: Solid
 Analysis Batch: 14741

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.08		mg/Kg		108	70 - 130
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130
Toluene	1.00	1.09		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	2.00	2.13		mg/Kg		107	70 - 130
o-Xylene	1.00	1.05		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		48 - 145

Lab Sample ID: MB 885-4592/1-A
 Matrix: Solid
 Analysis Batch: 14741

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Ethylbenzene	ND		0.050	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Toluene	ND		0.050	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Xylenes, Total	ND		0.10	mg/Kg		05/08/24 12:36	10/22/24 17:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145	05/08/24 12:36	10/22/24 17:40	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-14629/1-A
 Matrix: Solid
 Analysis Batch: 14585

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14629

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/21/24 12:47	10/21/24 14:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/21/24 12:47	10/21/24 14:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/21/24 12:47	10/21/24 14:39	1

Lab Sample ID: LCS 885-14629/2-A
 Matrix: Solid
 Analysis Batch: 14585

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.8		mg/Kg		92	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	92		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-14640/1-A
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/21/24 14:25	10/22/24 00:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits					
Chloride	101		90 - 110					

Lab Sample ID: LCS 885-14640/2-A
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.3		mg/Kg		101	90 - 110

Lab Sample ID: 885-13993-1 MS
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: PS-60A
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	85		30.2	107		mg/Kg		73	50 - 150

Lab Sample ID: 885-13993-1 MSD
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: PS-60A
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	85		30.2	107		mg/Kg		71	50 - 150	1	20

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13993-1

GC VOA

Prep Batch: 4592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-4592/1-A	Method Blank	Total/NA	Solid	5030C	

Prep Batch: 14592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	5030C	
885-13993-2	PS-73A	Total/NA	Solid	5030C	
885-13993-3	PS-75A	Total/NA	Solid	5030C	
885-13993-4	PS-74A	Total/NA	Solid	5030C	
885-13993-5	P2-IW2.2B	Total/NA	Solid	5030C	
885-13993-6	P2-IW6.6C	Total/NA	Solid	5030C	
885-13993-7	P2-IW8A	Total/NA	Solid	5030C	
885-13993-8	P2-IW10B	Total/NA	Solid	5030C	
885-13993-9	P2-IW12B	Total/NA	Solid	5030C	
885-13993-10	P2-IW17B	Total/NA	Solid	5030C	
885-13993-11	P2-W28C	Total/NA	Solid	5030C	
LCS 885-14592/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-14592/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 14740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	8015M/D	14592
885-13993-2	PS-73A	Total/NA	Solid	8015M/D	14592
885-13993-3	PS-75A	Total/NA	Solid	8015M/D	14592
885-13993-4	PS-74A	Total/NA	Solid	8015M/D	14592
885-13993-5	P2-IW2.2B	Total/NA	Solid	8015M/D	14592
885-13993-6	P2-IW6.6C	Total/NA	Solid	8015M/D	14592
885-13993-7	P2-IW8A	Total/NA	Solid	8015M/D	14592
885-13993-8	P2-IW10B	Total/NA	Solid	8015M/D	14592
885-13993-9	P2-IW12B	Total/NA	Solid	8015M/D	14592
885-13993-10	P2-IW17B	Total/NA	Solid	8015M/D	14592
885-13993-11	P2-W28C	Total/NA	Solid	8015M/D	14592
MB 885-4592/1-A	Method Blank	Total/NA	Solid	8015M/D	4592
LCS 885-14592/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14592

Analysis Batch: 14741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	8021B	14592
885-13993-2	PS-73A	Total/NA	Solid	8021B	14592
885-13993-3	PS-75A	Total/NA	Solid	8021B	14592
885-13993-4	PS-74A	Total/NA	Solid	8021B	14592
885-13993-5	P2-IW2.2B	Total/NA	Solid	8021B	14592
885-13993-6	P2-IW6.6C	Total/NA	Solid	8021B	14592
885-13993-7	P2-IW8A	Total/NA	Solid	8021B	14592
885-13993-8	P2-IW10B	Total/NA	Solid	8021B	14592
885-13993-9	P2-IW12B	Total/NA	Solid	8021B	14592
885-13993-10	P2-IW17B	Total/NA	Solid	8021B	14592
885-13993-11	P2-W28C	Total/NA	Solid	8021B	14592
MB 885-4592/1-A	Method Blank	Total/NA	Solid	8021B	4592
LCS 885-14592/3-A	Lab Control Sample	Total/NA	Solid	8021B	14592

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13993-1

GC Semi VOA

Analysis Batch: 14585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	8015M/D	14629
885-13993-2	PS-73A	Total/NA	Solid	8015M/D	14629
885-13993-3	PS-75A	Total/NA	Solid	8015M/D	14629
885-13993-4	PS-74A	Total/NA	Solid	8015M/D	14629
885-13993-5	P2-IW2.2B	Total/NA	Solid	8015M/D	14629
885-13993-6	P2-IW6.6C	Total/NA	Solid	8015M/D	14629
885-13993-7	P2-IW8A	Total/NA	Solid	8015M/D	14629
885-13993-8	P2-IW10B	Total/NA	Solid	8015M/D	14629
885-13993-9	P2-IW12B	Total/NA	Solid	8015M/D	14629
885-13993-10	P2-IW17B	Total/NA	Solid	8015M/D	14629
885-13993-11	P2-W28C	Total/NA	Solid	8015M/D	14629
MB 885-14629/1-A	Method Blank	Total/NA	Solid	8015M/D	14629
LCS 885-14629/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14629

Prep Batch: 14629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	SHAKE	
885-13993-2	PS-73A	Total/NA	Solid	SHAKE	
885-13993-3	PS-75A	Total/NA	Solid	SHAKE	
885-13993-4	PS-74A	Total/NA	Solid	SHAKE	
885-13993-5	P2-IW2.2B	Total/NA	Solid	SHAKE	
885-13993-6	P2-IW6.6C	Total/NA	Solid	SHAKE	
885-13993-7	P2-IW8A	Total/NA	Solid	SHAKE	
885-13993-8	P2-IW10B	Total/NA	Solid	SHAKE	
885-13993-9	P2-IW12B	Total/NA	Solid	SHAKE	
885-13993-10	P2-IW17B	Total/NA	Solid	SHAKE	
885-13993-11	P2-W28C	Total/NA	Solid	SHAKE	
MB 885-14629/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14629/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 14640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	300_Prep	
885-13993-2	PS-73A	Total/NA	Solid	300_Prep	
885-13993-3	PS-75A	Total/NA	Solid	300_Prep	
885-13993-4	PS-74A	Total/NA	Solid	300_Prep	
885-13993-5	P2-IW2.2B	Total/NA	Solid	300_Prep	
885-13993-6	P2-IW6.6C	Total/NA	Solid	300_Prep	
885-13993-7	P2-IW8A	Total/NA	Solid	300_Prep	
885-13993-8	P2-IW10B	Total/NA	Solid	300_Prep	
885-13993-9	P2-IW12B	Total/NA	Solid	300_Prep	
885-13993-10	P2-IW17B	Total/NA	Solid	300_Prep	
885-13993-11	P2-W28C	Total/NA	Solid	300_Prep	
MB 885-14640/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14640/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-13993-1 MS	PS-60A	Total/NA	Solid	300_Prep	
885-13993-1 MSD	PS-60A	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13993-1

HPLC/IC

Analysis Batch: 14643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13993-1	PS-60A	Total/NA	Solid	300.0	14640
885-13993-2	PS-73A	Total/NA	Solid	300.0	14640
885-13993-3	PS-75A	Total/NA	Solid	300.0	14640
885-13993-4	PS-74A	Total/NA	Solid	300.0	14640
885-13993-5	P2-IW2.2B	Total/NA	Solid	300.0	14640
885-13993-6	P2-IW6.6C	Total/NA	Solid	300.0	14640
885-13993-7	P2-IW8A	Total/NA	Solid	300.0	14640
885-13993-8	P2-IW10B	Total/NA	Solid	300.0	14640
885-13993-9	P2-IW12B	Total/NA	Solid	300.0	14640
885-13993-10	P2-IW17B	Total/NA	Solid	300.0	14640
885-13993-11	P2-W28C	Total/NA	Solid	300.0	14640
MB 885-14640/1-A	Method Blank	Total/NA	Solid	300.0	14640
LCS 885-14640/2-A	Lab Control Sample	Total/NA	Solid	300.0	14640
885-13993-1 MS	PS-60A	Total/NA	Solid	300.0	14640
885-13993-1 MSD	PS-60A	Total/NA	Solid	300.0	14640



Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-60A

Lab Sample ID: 885-13993-1

Date Collected: 10/17/24 09:30

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 22:48
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 22:48
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 15:55
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 00:30

Client Sample ID: PS-73A

Lab Sample ID: 885-13993-2

Date Collected: 10/17/24 09:34

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 23:11
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 23:11
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 16:08
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 01:02

Client Sample ID: PS-75A

Lab Sample ID: 885-13993-3

Date Collected: 10/17/24 09:36

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 23:34
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 23:34
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 16:21
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 01:35

Client Sample ID: PS-74A

Lab Sample ID: 885-13993-4

Date Collected: 10/17/24 09:40

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 23:58

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: PS-74A

Lab Sample ID: 885-13993-4

Date Collected: 10/17/24 09:40

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 23:58
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 16:34
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 01:46

Client Sample ID: P2-IW2.2B

Lab Sample ID: 885-13993-5

Date Collected: 10/17/24 10:10

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 00:45
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 00:45
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 16:46
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 01:57

Client Sample ID: P2-IW6.6C

Lab Sample ID: 885-13993-6

Date Collected: 10/17/24 10:12

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 01:09
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 01:09
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 16:59
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 02:08

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13993-7

Date Collected: 10/17/24 10:14

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 01:32
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 01:32

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW8A

Lab Sample ID: 885-13993-7

Date Collected: 10/17/24 10:14

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 17:12
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 02:18

Client Sample ID: P2-IW10B

Lab Sample ID: 885-13993-8

Date Collected: 10/17/24 10:20

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 01:56
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 01:56
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 17:24
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 02:29

Client Sample ID: P2-IW12B

Lab Sample ID: 885-13993-9

Date Collected: 10/17/24 10:24

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 02:19
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 02:19
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 17:50
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 02:40

Client Sample ID: P2-IW17B

Lab Sample ID: 885-13993-10

Date Collected: 10/17/24 10:26

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 02:43
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 02:43
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 18:03

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13993-1

Client Sample ID: P2-IW17B

Lab Sample ID: 885-13993-10

Date Collected: 10/17/24 10:26

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 02:51

Client Sample ID: P2-W28C

Lab Sample ID: 885-13993-11

Date Collected: 10/17/24 10:30

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/23/24 03:06
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/23/24 03:06
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 18:16
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 03:02

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13993-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation:
 Az Compliance
 NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT
 Project Name: BoyswD #3
 Project #: 5375

Project Manager: W. Klerdorf

Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 0.4 - 0.1 = 0.3

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
<u>10/17/24</u>	<u>0930</u>	<u>SOIL</u>	<u>PS-60A</u>	<u>1x4oz Jar</u>	<u>ICE</u>	<u>1</u>
	<u>0934</u>		<u>PS-73A</u>			<u>2</u>
	<u>0936</u>		<u>PS-75A</u>			<u>3</u>
	<u>0940</u>		<u>PS-74A</u>			<u>4</u>
	<u>1010</u>		<u>Pa-IW2.2B</u>			<u>5</u>
	<u>1012</u>		<u>Pa-IW6.6C</u>			<u>6</u>
	<u>1014</u>		<u>Pa-IW8A</u>			<u>7</u>
	<u>1020</u>		<u>Pa-IW10B</u>			<u>8</u>
	<u>1024</u>		<u>Pa-IW12B</u>			<u>9</u>
	<u>1026</u>		<u>Pa-IW17B</u>			<u>10</u>
	<u>1030</u>		<u>Pa-W28C</u>			<u>11</u>

Received by: [Signature] Date: 10/17/24 Time: 0900
 Received by: [Signature] Date: 10/17/24 Time: 11:35



4901 Hawkins NE - Albuquerque, NM 87105
 Tel. 505-345-3975 Fax 505-345-4107
 885-13993 COC

Analysis Request

BTX (8021) X
 TPH:8015D(GRO / DRO / MRO) X
 Chloride (EPA 300) X

Remarks: Bill to EOG-Artesia
Midland

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-13993-1

Login Number: 13993

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 11/14/2024 6:03:52 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-15176-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
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(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-15176-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-15176-1

Job ID: 885-15176-1

Eurofins Albuquerque

Job Narrative 885-15176-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/13/2024 7:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-B56

Lab Sample ID: 885-15176-1

Date Collected: 11/12/24 09:10

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.2	mg/Kg		11/13/24 09:38	11/13/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			11/13/24 09:38	11/13/24 12:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		11/13/24 09:38	11/13/24 12:28	1
Ethylbenzene	ND		0.042	mg/Kg		11/13/24 09:38	11/13/24 12:28	1
Toluene	ND		0.042	mg/Kg		11/13/24 09:38	11/13/24 12:28	1
Xylenes, Total	ND		0.084	mg/Kg		11/13/24 09:38	11/13/24 12:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/13/24 09:38	11/13/24 12:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		11/13/24 10:01	11/14/24 11:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/13/24 10:01	11/14/24 11:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			11/13/24 10:01	11/14/24 11:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		11/13/24 07:08	11/13/24 16:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: PS-R1

Lab Sample ID: 885-15176-2

Date Collected: 11/12/24 09:12

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		11/13/24 09:38	11/13/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 13:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		11/13/24 09:38	11/13/24 13:39	1
Ethylbenzene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 13:39	1
Toluene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 13:39	1
Xylenes, Total	ND		0.082	mg/Kg		11/13/24 09:38	11/13/24 13:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/13/24 09:38	11/13/24 13:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		11/13/24 10:01	11/14/24 11:23	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/13/24 10:01	11/14/24 11:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			11/13/24 10:01	11/14/24 11:23	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		11/13/24 07:08	11/13/24 16:21	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-B3A

Lab Sample ID: 885-15176-3

Date Collected: 11/12/24 09:14

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.5	mg/Kg		11/13/24 09:38	11/13/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 14:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		11/13/24 09:38	11/13/24 14:50	1
Ethylbenzene	ND		0.035	mg/Kg		11/13/24 09:38	11/13/24 14:50	1
Toluene	ND		0.035	mg/Kg		11/13/24 09:38	11/13/24 14:50	1
Xylenes, Total	ND		0.069	mg/Kg		11/13/24 09:38	11/13/24 14:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			11/13/24 09:38	11/13/24 14:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		11/13/24 10:01	11/14/24 11:35	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/13/24 10:01	11/14/24 11:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			11/13/24 10:01	11/14/24 11:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61		60	mg/Kg		11/13/24 07:08	11/13/24 16:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-B4A

Lab Sample ID: 885-15176-4

Date Collected: 11/12/24 09:16

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.0	mg/Kg		11/13/24 09:38	11/13/24 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			11/13/24 09:38	11/13/24 15:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		11/13/24 09:38	11/13/24 15:13	1
Ethylbenzene	ND		0.040	mg/Kg		11/13/24 09:38	11/13/24 15:13	1
Toluene	ND		0.040	mg/Kg		11/13/24 09:38	11/13/24 15:13	1
Xylenes, Total	ND		0.079	mg/Kg		11/13/24 09:38	11/13/24 15:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/13/24 09:38	11/13/24 15:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		11/13/24 10:01	11/14/24 12:00	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/13/24 10:01	11/14/24 12:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			11/13/24 10:01	11/14/24 12:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		61	mg/Kg		11/13/24 07:08	11/13/24 17:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW19

Lab Sample ID: 885-15176-5

Date Collected: 11/12/24 09:20

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.6	mg/Kg		11/13/24 09:38	11/13/24 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			11/13/24 09:38	11/13/24 15:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.018	mg/Kg		11/13/24 09:38	11/13/24 15:36	1
Ethylbenzene	ND		0.036	mg/Kg		11/13/24 09:38	11/13/24 15:36	1
Toluene	ND		0.036	mg/Kg		11/13/24 09:38	11/13/24 15:36	1
Xylenes, Total	ND		0.072	mg/Kg		11/13/24 09:38	11/13/24 15:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/13/24 09:38	11/13/24 15:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		11/13/24 10:01	11/14/24 12:12	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/13/24 10:01	11/14/24 12:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			11/13/24 10:01	11/14/24 12:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		11/13/24 07:08	11/13/24 17:15	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW20

Lab Sample ID: 885-15176-6

Date Collected: 11/12/24 09:24

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		11/13/24 09:38	11/13/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 15:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		11/13/24 09:38	11/13/24 15:59	1
Ethylbenzene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 15:59	1
Toluene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 15:59	1
Xylenes, Total	ND		0.081	mg/Kg		11/13/24 09:38	11/13/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/13/24 09:38	11/13/24 15:59	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		11/13/24 10:01	11/14/24 12:25	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/13/24 10:01	11/14/24 12:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			11/13/24 10:01	11/14/24 12:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		11/13/24 07:08	11/13/24 17:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW21

Lab Sample ID: 885-15176-7

Date Collected: 11/12/24 09:26

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.9	mg/Kg		11/13/24 09:38	11/13/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/13/24 09:38	11/13/24 16:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		11/13/24 09:38	11/13/24 16:23	1
Ethylbenzene	ND		0.039	mg/Kg		11/13/24 09:38	11/13/24 16:23	1
Toluene	ND		0.039	mg/Kg		11/13/24 09:38	11/13/24 16:23	1
Xylenes, Total	ND		0.078	mg/Kg		11/13/24 09:38	11/13/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/13/24 09:38	11/13/24 16:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		11/13/24 10:01	11/14/24 12:38	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/13/24 10:01	11/14/24 12:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			11/13/24 10:01	11/14/24 12:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		11/13/24 07:08	11/13/24 17:37	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW22

Lab Sample ID: 885-15176-8

Date Collected: 11/12/24 09:30

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.5	mg/Kg		11/13/24 09:38	11/13/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 16:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.017	mg/Kg		11/13/24 09:38	11/13/24 16:46	1
Ethylbenzene	ND		0.035	mg/Kg		11/13/24 09:38	11/13/24 16:46	1
Toluene	ND		0.035	mg/Kg		11/13/24 09:38	11/13/24 16:46	1
Xylenes, Total	ND		0.070	mg/Kg		11/13/24 09:38	11/13/24 16:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			11/13/24 09:38	11/13/24 16:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/13/24 10:01	11/14/24 12:50	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/13/24 10:01	11/14/24 12:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			11/13/24 10:01	11/14/24 12:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		59	mg/Kg		11/13/24 07:08	11/13/24 17:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW23

Lab Sample ID: 885-15176-9

Date Collected: 11/12/24 09:32

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.0	mg/Kg		11/13/24 09:38	11/13/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			11/13/24 09:38	11/13/24 17:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		11/13/24 09:38	11/13/24 17:33	1
Ethylbenzene	ND		0.040	mg/Kg		11/13/24 09:38	11/13/24 17:33	1
Toluene	ND		0.040	mg/Kg		11/13/24 09:38	11/13/24 17:33	1
Xylenes, Total	ND		0.080	mg/Kg		11/13/24 09:38	11/13/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			11/13/24 09:38	11/13/24 17:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		11/13/24 10:01	11/14/24 13:03	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/13/24 10:01	11/14/24 13:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/13/24 10:01	11/14/24 13:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		11/13/24 07:08	11/13/24 17:59	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW24

Lab Sample ID: 885-15176-10

Date Collected: 11/12/24 09:34

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.3	mg/Kg		11/13/24 09:38	11/13/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			11/13/24 09:38	11/13/24 17:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.016	mg/Kg		11/13/24 09:38	11/13/24 17:57	1
Ethylbenzene	ND		0.033	mg/Kg		11/13/24 09:38	11/13/24 17:57	1
Toluene	ND		0.033	mg/Kg		11/13/24 09:38	11/13/24 17:57	1
Xylenes, Total	ND		0.066	mg/Kg		11/13/24 09:38	11/13/24 17:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/13/24 09:38	11/13/24 17:57	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		11/13/24 10:01	11/14/24 13:15	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/13/24 10:01	11/14/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			11/13/24 10:01	11/14/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		11/13/24 07:08	11/13/24 18:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W37

Lab Sample ID: 885-15176-11

Date Collected: 11/12/24 09:36

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.9	mg/Kg		11/13/24 09:38	11/13/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			11/13/24 09:38	11/13/24 18:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		11/13/24 09:38	11/13/24 18:20	1
Ethylbenzene	ND		0.039	mg/Kg		11/13/24 09:38	11/13/24 18:20	1
Toluene	ND		0.039	mg/Kg		11/13/24 09:38	11/13/24 18:20	1
Xylenes, Total	ND		0.077	mg/Kg		11/13/24 09:38	11/13/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/13/24 09:38	11/13/24 18:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		11/13/24 10:01	11/14/24 13:28	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/13/24 10:01	11/14/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			11/13/24 10:01	11/14/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		11/13/24 07:08	11/13/24 18:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W38

Lab Sample ID: 885-15176-12

Date Collected: 11/12/24 10:00

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/13/24 09:38	11/13/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 18:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/13/24 09:38	11/13/24 18:44	1
Ethylbenzene	ND		0.047	mg/Kg		11/13/24 09:38	11/13/24 18:44	1
Toluene	ND		0.047	mg/Kg		11/13/24 09:38	11/13/24 18:44	1
Xylenes, Total	ND		0.094	mg/Kg		11/13/24 09:38	11/13/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/13/24 09:38	11/13/24 18:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		11/13/24 10:01	11/14/24 13:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/13/24 10:01	11/14/24 13:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			11/13/24 10:01	11/14/24 13:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		11/13/24 07:08	11/13/24 18:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W39

Lab Sample ID: 885-15176-13

Date Collected: 11/12/24 10:02

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		11/13/24 09:38	11/13/24 19:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/13/24 09:38	11/13/24 19:08	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		11/13/24 09:38	11/13/24 19:08	1
Ethylbenzene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 19:08	1
Toluene	ND		0.041	mg/Kg		11/13/24 09:38	11/13/24 19:08	1
Xylenes, Total	ND		0.082	mg/Kg		11/13/24 09:38	11/13/24 19:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			11/13/24 09:38	11/13/24 19:08	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		11/13/24 10:01	11/14/24 13:53	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/13/24 10:01	11/14/24 13:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/13/24 10:01	11/14/24 13:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		60	mg/Kg		11/13/24 07:08	11/13/24 19:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W40

Lab Sample ID: 885-15176-14

Date Collected: 11/12/24 10:04

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.3	mg/Kg		11/13/24 09:38	11/13/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			11/13/24 09:38	11/13/24 19:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		11/13/24 09:38	11/13/24 19:31	1
Ethylbenzene	ND		0.043	mg/Kg		11/13/24 09:38	11/13/24 19:31	1
Toluene	ND		0.043	mg/Kg		11/13/24 09:38	11/13/24 19:31	1
Xylenes, Total	ND		0.087	mg/Kg		11/13/24 09:38	11/13/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/13/24 09:38	11/13/24 19:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		11/13/24 10:01	11/14/24 14:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/13/24 10:01	11/14/24 14:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			11/13/24 10:01	11/14/24 14:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		61	mg/Kg		11/13/24 07:08	11/13/24 19:15	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W41

Lab Sample ID: 885-15176-15

Date Collected: 11/12/24 10:06

Matrix: Solid

Date Received: 11/13/24 07:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.8	mg/Kg		11/13/24 09:38	11/13/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			11/13/24 09:38	11/13/24 19:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		11/13/24 09:38	11/13/24 19:55	1
Ethylbenzene	ND		0.038	mg/Kg		11/13/24 09:38	11/13/24 19:55	1
Toluene	ND		0.038	mg/Kg		11/13/24 09:38	11/13/24 19:55	1
Xylenes, Total	ND		0.076	mg/Kg		11/13/24 09:38	11/13/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/13/24 09:38	11/13/24 19:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		11/13/24 10:01	11/14/24 14:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/13/24 10:01	11/14/24 14:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/13/24 10:01	11/14/24 14:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		11/13/24 07:08	11/13/24 19:26	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-15837/1-A
 Matrix: Solid
 Analysis Batch: 15854

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15837

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/13/24 09:38	11/13/24 10:54	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/13/24 09:38	11/13/24 10:54	1

Lab Sample ID: LCS 885-15837/2-A
 Matrix: Solid
 Analysis Batch: 15854

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.9		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	202		35 - 166				

Lab Sample ID: 885-15176-1 MS
 Matrix: Solid
 Analysis Batch: 15854

Client Sample ID: P2-B56
 Prep Type: Total/NA
 Prep Batch: 15837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		20.9	22.4		mg/Kg		107	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	211		35 - 166						

Lab Sample ID: 885-15176-1 MSD
 Matrix: Solid
 Analysis Batch: 15854

Client Sample ID: P2-B56
 Prep Type: Total/NA
 Prep Batch: 15837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		20.9	22.4		mg/Kg		107	70 - 130	0	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	213		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-15837/1-A
 Matrix: Solid
 Analysis Batch: 15853

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15837

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/13/24 09:38	11/13/24 10:54	1
Ethylbenzene	ND		0.050	mg/Kg		11/13/24 09:38	11/13/24 10:54	1
Toluene	ND		0.050	mg/Kg		11/13/24 09:38	11/13/24 10:54	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-15837/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 15853

Prep Batch: 15837

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Xylenes, Total	ND		0.10	mg/Kg		11/13/24 09:38	11/13/24 10:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		48 - 145	11/13/24 09:38	11/13/24 10:54	1

Lab Sample ID: LCS 885-15837/3-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 15853

Prep Batch: 15837

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.02		mg/Kg		102	70 - 130
Ethylbenzene	1.00	1.07		mg/Kg		107	70 - 130
m,p-Xylene	2.00	2.12		mg/Kg		106	70 - 130
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130
Toluene	1.00	1.07		mg/Kg		107	70 - 130
Xylenes, Total	3.00	3.15		mg/Kg		105	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		48 - 145

Lab Sample ID: 885-15176-2 MS

Client Sample ID: PS-R1

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 15853

Prep Batch: 15837

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		0.820	0.851		mg/Kg		104	70 - 130
Ethylbenzene	ND		0.820	0.892		mg/Kg		109	70 - 130
m,p-Xylene	ND		1.64	1.77		mg/Kg		108	70 - 130
o-Xylene	ND		0.820	0.863		mg/Kg		105	70 - 130
Toluene	ND		0.820	0.880		mg/Kg		107	70 - 130
Xylenes, Total	ND		2.46	2.63		mg/Kg		107	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	105		48 - 145

Lab Sample ID: 885-15176-2 MSD

Client Sample ID: PS-R1

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 15853

Prep Batch: 15837

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
	Result	Qualifier		Result	Qualifier						
Benzene	ND		0.820	0.845		mg/Kg		103	70 - 130	1	20
Ethylbenzene	ND		0.820	0.896		mg/Kg		109	70 - 130	0	20
m,p-Xylene	ND		1.64	1.77		mg/Kg		108	70 - 130	0	20
o-Xylene	ND		0.820	0.867		mg/Kg		106	70 - 130	0	20
Toluene	ND		0.820	0.873		mg/Kg		106	70 - 130	1	20
Xylenes, Total	ND		2.46	2.64		mg/Kg		107	70 - 130	0	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-15176-2 MSD
 Matrix: Solid
 Analysis Batch: 15853

Client Sample ID: PS-R1
 Prep Type: Total/NA
 Prep Batch: 15837

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-15841/1-A
 Matrix: Solid
 Analysis Batch: 15903

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15841

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/13/24 10:01	11/14/24 09:44	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/13/24 10:01	11/14/24 09:44	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134	11/13/24 10:01	11/14/24 09:44	1

Lab Sample ID: LCS 885-15841/2-A
 Matrix: Solid
 Analysis Batch: 15903

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15841

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.7		mg/Kg		97	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	101		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15814/1-A
 Matrix: Solid
 Analysis Batch: 15817

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15814

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/13/24 07:08	11/13/24 08:44	1

Lab Sample ID: LCS 885-15814/2-A
 Matrix: Solid
 Analysis Batch: 15817

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15814

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.0		mg/Kg		97	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

GC VOA

Prep Batch: 15837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	5035	
885-15176-2	PS-R1	Total/NA	Solid	5035	
885-15176-3	P2-B3A	Total/NA	Solid	5035	
885-15176-4	P2-B4A	Total/NA	Solid	5035	
885-15176-5	P2-IW19	Total/NA	Solid	5035	
885-15176-6	P2-IW20	Total/NA	Solid	5035	
885-15176-7	P2-IW21	Total/NA	Solid	5035	
885-15176-8	P2-IW22	Total/NA	Solid	5035	
885-15176-9	P2-IW23	Total/NA	Solid	5035	
885-15176-10	P2-IW24	Total/NA	Solid	5035	
885-15176-11	P2-W37	Total/NA	Solid	5035	
885-15176-12	P2-W38	Total/NA	Solid	5035	
885-15176-13	P2-W39	Total/NA	Solid	5035	
885-15176-14	P2-W40	Total/NA	Solid	5035	
885-15176-15	P2-W41	Total/NA	Solid	5035	
MB 885-15837/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-15837/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-15837/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-15176-1 MS	P2-B56	Total/NA	Solid	5035	
885-15176-1 MSD	P2-B56	Total/NA	Solid	5035	
885-15176-2 MS	PS-R1	Total/NA	Solid	5035	
885-15176-2 MSD	PS-R1	Total/NA	Solid	5035	

Analysis Batch: 15853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	8021B	15837
885-15176-2	PS-R1	Total/NA	Solid	8021B	15837
885-15176-3	P2-B3A	Total/NA	Solid	8021B	15837
885-15176-4	P2-B4A	Total/NA	Solid	8021B	15837
885-15176-5	P2-IW19	Total/NA	Solid	8021B	15837
885-15176-6	P2-IW20	Total/NA	Solid	8021B	15837
885-15176-7	P2-IW21	Total/NA	Solid	8021B	15837
885-15176-8	P2-IW22	Total/NA	Solid	8021B	15837
885-15176-9	P2-IW23	Total/NA	Solid	8021B	15837
885-15176-10	P2-IW24	Total/NA	Solid	8021B	15837
885-15176-11	P2-W37	Total/NA	Solid	8021B	15837
885-15176-12	P2-W38	Total/NA	Solid	8021B	15837
885-15176-13	P2-W39	Total/NA	Solid	8021B	15837
885-15176-14	P2-W40	Total/NA	Solid	8021B	15837
885-15176-15	P2-W41	Total/NA	Solid	8021B	15837
MB 885-15837/1-A	Method Blank	Total/NA	Solid	8021B	15837
LCS 885-15837/3-A	Lab Control Sample	Total/NA	Solid	8021B	15837
885-15176-2 MS	PS-R1	Total/NA	Solid	8021B	15837
885-15176-2 MSD	PS-R1	Total/NA	Solid	8021B	15837

Analysis Batch: 15854

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	8015M/D	15837
885-15176-2	PS-R1	Total/NA	Solid	8015M/D	15837
885-15176-3	P2-B3A	Total/NA	Solid	8015M/D	15837
885-15176-4	P2-B4A	Total/NA	Solid	8015M/D	15837

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15176-1

GC VOA (Continued)

Analysis Batch: 15854 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-5	P2-IW19	Total/NA	Solid	8015M/D	15837
885-15176-6	P2-IW20	Total/NA	Solid	8015M/D	15837
885-15176-7	P2-IW21	Total/NA	Solid	8015M/D	15837
885-15176-8	P2-IW22	Total/NA	Solid	8015M/D	15837
885-15176-9	P2-IW23	Total/NA	Solid	8015M/D	15837
885-15176-10	P2-IW24	Total/NA	Solid	8015M/D	15837
885-15176-11	P2-W37	Total/NA	Solid	8015M/D	15837
885-15176-12	P2-W38	Total/NA	Solid	8015M/D	15837
885-15176-13	P2-W39	Total/NA	Solid	8015M/D	15837
885-15176-14	P2-W40	Total/NA	Solid	8015M/D	15837
885-15176-15	P2-W41	Total/NA	Solid	8015M/D	15837
MB 885-15837/1-A	Method Blank	Total/NA	Solid	8015M/D	15837
LCS 885-15837/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15837
885-15176-1 MS	P2-B56	Total/NA	Solid	8015M/D	15837
885-15176-1 MSD	P2-B56	Total/NA	Solid	8015M/D	15837

GC Semi VOA

Prep Batch: 15841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	SHAKE	
885-15176-2	PS-R1	Total/NA	Solid	SHAKE	
885-15176-3	P2-B3A	Total/NA	Solid	SHAKE	
885-15176-4	P2-B4A	Total/NA	Solid	SHAKE	
885-15176-5	P2-IW19	Total/NA	Solid	SHAKE	
885-15176-6	P2-IW20	Total/NA	Solid	SHAKE	
885-15176-7	P2-IW21	Total/NA	Solid	SHAKE	
885-15176-8	P2-IW22	Total/NA	Solid	SHAKE	
885-15176-9	P2-IW23	Total/NA	Solid	SHAKE	
885-15176-10	P2-IW24	Total/NA	Solid	SHAKE	
885-15176-11	P2-W37	Total/NA	Solid	SHAKE	
885-15176-12	P2-W38	Total/NA	Solid	SHAKE	
885-15176-13	P2-W39	Total/NA	Solid	SHAKE	
885-15176-14	P2-W40	Total/NA	Solid	SHAKE	
885-15176-15	P2-W41	Total/NA	Solid	SHAKE	
MB 885-15841/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-15841/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 15903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	8015M/D	15841
885-15176-2	PS-R1	Total/NA	Solid	8015M/D	15841
885-15176-3	P2-B3A	Total/NA	Solid	8015M/D	15841
885-15176-4	P2-B4A	Total/NA	Solid	8015M/D	15841
885-15176-5	P2-IW19	Total/NA	Solid	8015M/D	15841
885-15176-6	P2-IW20	Total/NA	Solid	8015M/D	15841
885-15176-7	P2-IW21	Total/NA	Solid	8015M/D	15841
885-15176-8	P2-IW22	Total/NA	Solid	8015M/D	15841
885-15176-9	P2-IW23	Total/NA	Solid	8015M/D	15841
885-15176-10	P2-IW24	Total/NA	Solid	8015M/D	15841
885-15176-11	P2-W37	Total/NA	Solid	8015M/D	15841

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15176-1

GC Semi VOA (Continued)

Analysis Batch: 15903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-12	P2-W38	Total/NA	Solid	8015M/D	15841
885-15176-13	P2-W39	Total/NA	Solid	8015M/D	15841
885-15176-14	P2-W40	Total/NA	Solid	8015M/D	15841
885-15176-15	P2-W41	Total/NA	Solid	8015M/D	15841
MB 885-15841/1-A	Method Blank	Total/NA	Solid	8015M/D	15841
LCS 885-15841/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15841

HPLC/IC

Prep Batch: 15814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	300_Prep	
885-15176-2	PS-R1	Total/NA	Solid	300_Prep	
885-15176-3	P2-B3A	Total/NA	Solid	300_Prep	
885-15176-4	P2-B4A	Total/NA	Solid	300_Prep	
885-15176-5	P2-IW19	Total/NA	Solid	300_Prep	
885-15176-6	P2-IW20	Total/NA	Solid	300_Prep	
885-15176-7	P2-IW21	Total/NA	Solid	300_Prep	
885-15176-8	P2-IW22	Total/NA	Solid	300_Prep	
885-15176-9	P2-IW23	Total/NA	Solid	300_Prep	
885-15176-10	P2-IW24	Total/NA	Solid	300_Prep	
885-15176-11	P2-W37	Total/NA	Solid	300_Prep	
885-15176-12	P2-W38	Total/NA	Solid	300_Prep	
885-15176-13	P2-W39	Total/NA	Solid	300_Prep	
885-15176-14	P2-W40	Total/NA	Solid	300_Prep	
885-15176-15	P2-W41	Total/NA	Solid	300_Prep	
MB 885-15814/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-15814/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 15817

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15176-1	P2-B56	Total/NA	Solid	300.0	15814
885-15176-2	PS-R1	Total/NA	Solid	300.0	15814
885-15176-3	P2-B3A	Total/NA	Solid	300.0	15814
885-15176-4	P2-B4A	Total/NA	Solid	300.0	15814
885-15176-5	P2-IW19	Total/NA	Solid	300.0	15814
885-15176-6	P2-IW20	Total/NA	Solid	300.0	15814
885-15176-7	P2-IW21	Total/NA	Solid	300.0	15814
885-15176-8	P2-IW22	Total/NA	Solid	300.0	15814
885-15176-9	P2-IW23	Total/NA	Solid	300.0	15814
885-15176-10	P2-IW24	Total/NA	Solid	300.0	15814
885-15176-11	P2-W37	Total/NA	Solid	300.0	15814
885-15176-12	P2-W38	Total/NA	Solid	300.0	15814
885-15176-13	P2-W39	Total/NA	Solid	300.0	15814
885-15176-14	P2-W40	Total/NA	Solid	300.0	15814
885-15176-15	P2-W41	Total/NA	Solid	300.0	15814
MB 885-15814/1-A	Method Blank	Total/NA	Solid	300.0	15814
LCS 885-15814/2-A	Lab Control Sample	Total/NA	Solid	300.0	15814

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-B56

Lab Sample ID: 885-15176-1

Date Collected: 11/12/24 09:10

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 12:28
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 12:28
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 11:10
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 16:10

Client Sample ID: PS-R1

Lab Sample ID: 885-15176-2

Date Collected: 11/12/24 09:12

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 13:39
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 13:39
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 11:23
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 16:21

Client Sample ID: P2-B3A

Lab Sample ID: 885-15176-3

Date Collected: 11/12/24 09:14

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 14:50
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 14:50
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 11:35
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 16:54

Client Sample ID: P2-B4A

Lab Sample ID: 885-15176-4

Date Collected: 11/12/24 09:16

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 15:13

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-B4A

Lab Sample ID: 885-15176-4

Date Collected: 11/12/24 09:16

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 15:13
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 12:00
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:04

Client Sample ID: P2-IW19

Lab Sample ID: 885-15176-5

Date Collected: 11/12/24 09:20

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 15:36
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 15:36
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 12:12
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:15

Client Sample ID: P2-IW20

Lab Sample ID: 885-15176-6

Date Collected: 11/12/24 09:24

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 15:59
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 15:59
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 12:25
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:26

Client Sample ID: P2-IW21

Lab Sample ID: 885-15176-7

Date Collected: 11/12/24 09:26

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 16:23
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 16:23

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW21

Lab Sample ID: 885-15176-7

Date Collected: 11/12/24 09:26

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 12:38
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:37

Client Sample ID: P2-IW22

Lab Sample ID: 885-15176-8

Date Collected: 11/12/24 09:30

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 16:46
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 16:46
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 12:50
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:48

Client Sample ID: P2-IW23

Lab Sample ID: 885-15176-9

Date Collected: 11/12/24 09:32

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 17:33
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 17:33
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 13:03
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 17:59

Client Sample ID: P2-IW24

Lab Sample ID: 885-15176-10

Date Collected: 11/12/24 09:34

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 17:57
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 17:57
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 13:15

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-IW24

Lab Sample ID: 885-15176-10

Date Collected: 11/12/24 09:34

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 18:09

Client Sample ID: P2-W37

Lab Sample ID: 885-15176-11

Date Collected: 11/12/24 09:36

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 18:20
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 18:20
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 13:28
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 18:20

Client Sample ID: P2-W38

Lab Sample ID: 885-15176-12

Date Collected: 11/12/24 10:00

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 18:44
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 18:44
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 13:41
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 18:31

Client Sample ID: P2-W39

Lab Sample ID: 885-15176-13

Date Collected: 11/12/24 10:02

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 19:08
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 19:08
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 13:53
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 19:04

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15176-1

Client Sample ID: P2-W40

Lab Sample ID: 885-15176-14

Date Collected: 11/12/24 10:04

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 19:31
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 19:31
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 14:06
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 19:15

Client Sample ID: P2-W41

Lab Sample ID: 885-15176-15

Date Collected: 11/12/24 10:06

Matrix: Solid

Date Received: 11/13/24 07:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8015M/D		1	15854	JP	EET ALB	11/13/24 19:55
Total/NA	Prep	5035			15837	JP	EET ALB	11/13/24 09:38
Total/NA	Analysis	8021B		1	15853	JP	EET ALB	11/13/24 19:55
Total/NA	Prep	SHAKE			15841	MI	EET ALB	11/13/24 10:01
Total/NA	Analysis	8015M/D		1	15903	MI	EET ALB	11/14/24 14:19
Total/NA	Prep	300_Prep			15814	JT	EET ALB	11/13/24 07:08
Total/NA	Analysis	300.0		20	15817	JT	EET ALB	11/13/24 19:26

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15176-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package: Level 4 (Full Validation)

Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush 24 hr
 Project Name: Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 3
 Cooler Temp (including CP): MOJO
 See Remarks

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
11/12/24	0910	soil	P2-B56	4 oz jar	ICE	1
	0912		P2-RZ			2
	0914		P2-B3A			3
	0916		P2-B4A			4
	0920		P2-IW19			5
	0924		P2-IW20			6
	0926		P2-IW21			7
	0930		P2-IW22			8
	0932		P2-IW23			9
	0934		P2-IW24			10
	0936		P2-W37			11
	1000		P2-W38			12

Received by: [Signature] Date: 11/13/24 Time: 1445
 Received by: [Signature] Date: 11/13/24 Time: 7:35

Remarks: Bill to EOG Artesia
 G.9+0.3 = 1.2

Analysis Request

BTEX (8021) X X
 TPH:8015D(GRO / DRO / MRO) X X
 Chloride (EPA 300) X X



HALL ENVIRONMENTAL ANALYSIS LABOR

4901 Hawkins NE - Albuquerque, NM 87105
 Tel. 505-345-3975 Fax 505-345-4107
 885-15176 COC



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-15176-1

Login Number: 15176

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 12/4/2024 4:53:21 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-15992-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-15992-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15992-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-15992-1

Job ID: 885-15992-1

Eurofins Albuquerque

Job Narrative 885-15992-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The sample was received on 11/27/2024 7:47 AM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15992-1

Client Sample ID: W-2B

Lab Sample ID: 885-15992-1

Date Collected: 11/25/24 12:45

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/27/24 11:37	12/03/24 02:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			11/27/24 11:37	12/03/24 02:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 11:37	12/03/24 02:16	1
Ethylbenzene	ND		0.048	mg/Kg		11/27/24 11:37	12/03/24 02:16	1
Toluene	ND		0.048	mg/Kg		11/27/24 11:37	12/03/24 02:16	1
Xylenes, Total	ND		0.095	mg/Kg		11/27/24 11:37	12/03/24 02:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/27/24 11:37	12/03/24 02:16	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		12/02/24 11:08	12/02/24 13:17	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/02/24 11:08	12/02/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/02/24 11:08	12/02/24 13:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		60	mg/Kg		11/27/24 14:36	12/02/24 11:45	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15992-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-16756/1-A
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			11/27/24 11:37	12/02/24 22:23	1

Lab Sample ID: LCS 885-16756/2-A
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	187		35 - 166				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-16756/1-A
 Matrix: Solid
 Analysis Batch: 16860

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Ethylbenzene	ND		0.050	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Toluene	ND		0.050	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Xylenes, Total	ND		0.10	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			11/27/24 11:37	12/02/24 22:23	1

Lab Sample ID: LCS 885-16756/3-A
 Matrix: Solid
 Analysis Batch: 16860

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.15		mg/Kg		115	70 - 130
Ethylbenzene	1.00	1.17		mg/Kg		117	70 - 130
Toluene	1.00	1.17		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	2.00	2.28		mg/Kg		114	70 - 130
o-Xylene	1.00	1.13		mg/Kg		113	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	104		48 - 145				

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15992-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-16827/1-A
 Matrix: Solid
 Analysis Batch: 16831

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16827

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/24 11:08	12/02/24 12:56	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:08	12/02/24 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134	12/02/24 11:08	12/02/24 12:56	1

Lab Sample ID: LCS 885-16827/2-A
 Matrix: Solid
 Analysis Batch: 16831

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	36.3		mg/Kg		73	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16775/1-A
 Matrix: Solid
 Analysis Batch: 16799

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16775

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/27/24 14:36	12/02/24 08:59	1

Lab Sample ID: LCS 885-16775/2-A
 Matrix: Solid
 Analysis Batch: 16799

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.7		mg/Kg		96	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15992-1

GC VOA

Prep Batch: 16756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	5030C	
MB 885-16756/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-16756/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-16756/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 16860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	8021B	16756
MB 885-16756/1-A	Method Blank	Total/NA	Solid	8021B	16756
LCS 885-16756/3-A	Lab Control Sample	Total/NA	Solid	8021B	16756

Analysis Batch: 16861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	8015M/D	16756
MB 885-16756/1-A	Method Blank	Total/NA	Solid	8015M/D	16756
LCS 885-16756/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16756

GC Semi VOA

Prep Batch: 16827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	SHAKE	
MB 885-16827/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16827/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 16831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	8015M/D	16827
MB 885-16827/1-A	Method Blank	Total/NA	Solid	8015M/D	16827
LCS 885-16827/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16827

HPLC/IC

Prep Batch: 16775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	300_Prep	
MB 885-16775/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16775/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 16799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15992-1	W-2B	Total/NA	Solid	300.0	16775
MB 885-16775/1-A	Method Blank	Total/NA	Solid	300.0	16775
LCS 885-16775/2-A	Lab Control Sample	Total/NA	Solid	300.0	16775

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15992-1

Client Sample ID: W-2B

Lab Sample ID: 885-15992-1

Date Collected: 11/25/24 12:45

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/03/24 02:16
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/03/24 02:16
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 13:17
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 11:45

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

- 1
- 2
- 3
- 4
- 5
- 6
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- 8
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- 10
- 11

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15992-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No *mgo*

of Coolers: 1

Cooler Temp (including CF): *2.3 + 0 = 2.3 °C*

Container Type and #

4oz Jar

Preservative Type

ICE

HEAL No.

Date Time Matrix Sample Name

11/25/24 1245 Soil W-2B

BTEX (8021)

X

TPH:8015D(GRO / DRO / MRO)

X X

Chloride (EPA 300)

X

Date Time Relinquished by:

11/24/24 0930 *[Signature]*

Received by:

[Signature] Via: *[Signature]* Date Time: 11/24/24 0930

Remarks: Bill to EOG-Artesia- MIDLAND

Date Time Relinquished by:

11/20/24 1900 *[Signature]*

Received by:

[Signature] Via: *[Signature]* Date Time: 11/20/24 1900

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-15992-1

Login Number: 15992

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	



ATTACHMENT 3 – NMOCD CORRESPONDENCE

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, May 12, 2022 10:00 AM
To: Robert.Hamlet@state.nm.us; ahowell@pvtm.net; austin@atkinseng.com
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Subject: Roy SWD 3 (nAPP2123047534) Sampling Notification

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
7-19S-25E; Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 07:00 a.m. on Monday, May 16, 2022 and will continue through Friday, May 20, 2022.

Thank you,

Miriam Morales

From: Tina Huerta <Tina_Huerta@eogresources.com>
 Sent: Thursday, May 19, 2022 9:58 AM
 To: [Robert Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us); Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; [Jennifer Nobul@state.nm.us](mailto:Jennifer.Nobul@state.nm.us); Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Alan & Cheryl <ahowell@pvt.n.net>; Austin Weyant <austin@atkinseng.com>
 Cc: [Andrea Felix@eogresources.com](mailto:Andrea.Felix@eogresources.com); [Katie Jamison@eogresources.com](mailto:Katie.Jamison@eogresources.com); [Michael Yemm@eogresources.com](mailto:Michael.Yemm@eogresources.com); BODEE EUDY <BODEE_EUDY@eogresources.com>
 Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534 & nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
 7-19S-25E; Eddy County, NM
 2RP-4576, 2RP-5094, nAPP2123047534 & nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, May 23, 2022 and will be continuous through Friday, May 27, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, May 25, 2022 3:59 PM
To: Robert Hamlet <robert.hamlet@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Jennifer Nobui <jennifer.nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>; Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>
CC: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location:

Roy SWD 3
7-19S-25E; Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Tuesday, May 31, 2022 and continuous through Friday, June 3, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta
 Sent: Thursday, June 2, 2022 8:56 AM
 To: 'Jan & Cheryl' <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
 <Robert.Hamlet@state.nm.us>
 Cc: Andrea Felix <Andrea.Felix@eogresources.com>; Katie Jamison <Katie.Jamison@eogresources.com>; Michael Yemm <Michael.Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
 Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,
 EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
 7-19S-25E; Eddy County, NM
 2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, June 6, 2022 and continuous through Friday, June 10, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, June 9, 2022 10:14 AM
To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
7-19S-25E; Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, June 13, 2022 and continue through Friday, June 17, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
 Sent: Thursday, June 16, 2022 9:50 AM
 To: Juan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
 <Robert.Hamlet@state.nm.us>
 Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
 Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,
 EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
 P-7-19S-25E; Eddy County, NM
 2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, June 20, 2022 through Friday, June 24, 2022.

Thank you,

Tina Huerta
 Regulatory Specialist
 Direct: 575.748.4168
 Cell: 575.703.3121
 Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
 Sent: Wednesday, June 29, 2022 4:24 PM
 To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
 Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
 Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
 P-7-19S-25E
 Eddy County, NM
 2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Tuesday, July 5, 2022 and continue through Friday, July 8, 2022.

Thank you,

Tina Huerta
 Regulatory Specialist
 Direct: 575.748.4168
 Cell: 575.703.3121
 Email: tina_huerta@eogresources.com



From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, July 7, 2022 9:10 AM
To: [Robert Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us); mike.bratcher@state.nm.us; Jennifer.Nobui@state.nm.us; jocelyn.harimon@state.nm.us; ahowell@pvt.net; austin@atkinseng.com
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
Subject: Roy SWD #3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling notification

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
7-19S-25E; Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 8:00a.m on Monday, July 11, 2022 and continue through Friday, July 15, 2022.

Thank you,

Miriam Morales

Released to Imaging 9/4/2025 1:53:38 PM

From: Tina Huerta <Tina_Huerta@eogresources.com>
 Sent: Thursday, July 21, 2022 1:23 PM
 To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
 C: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <katie_jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>
 > BODEE EUDY <BODEE_EUDY@eogresources.com>
 Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250)
 Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
 7-19S-25E
 Eddy County, NM
 2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 1:00 p.m. on Monday, July 25, 2022 and continue through Friday, July 29, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, July 27, 2022 3:23 PM
To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, August 1, 2022 and continue through Friday, August 5, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, August 4, 2022 7:18 AM
To: Alan & Cheryl <ahowell@pvti.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>;
BODEE EUDY <BODEE_EUDY@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, August 8, 2022 and continue through Friday, August 12, 2022.

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Wednesday, August 10, 2022 3:35 PM

To: Alan & Cheryl <ahowell@pvtm.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>

Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>

Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Monday, August 15, 2022 and continue through Friday, August 19, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta
Sent: Thursday, August 18, 2022 10:31 AM
To: Alan & Cheryl <ahowell@pvtm.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea.Felix@eogresources.com>; Katie Jamison <Katie.Jamison@eogresources.com>; Michael Yemm <Michael.Yemm@eogresources.com>; BODEE EUDY <BODEE.EUDY@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 9:15 a.m. on Monday, August 22, 2022 and continue through Friday, August 26, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, September 1, 2022 9:16 AM
To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 7:00 a.m. on Tuesday, September 6, 2022 and continue through Friday, September 9, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>
Sent: Tuesday, March 5, 2024 10:31 AM
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 320206

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111048250.

The sampling event is expected to take place:

When: 03/11/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Chase Settle
575-703-6537
chase_settle@egoresources.com

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, April 15, 2024 10:40 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 333224

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 04/17/2024 @ 09:00

Where: P-07-19S-25E 810 FSL 680 FEL (32.67059,-104.61773)

Additional Information: Chase Settle

575-703-6537

chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, May 3, 2024 10:21 AM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 340618

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046260.

The sampling event is expected to take place:

When: 06/08/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 860 FEL (32.67050,-104.51773)

Additional Information: Chase Settle 575-703-8537 chase_settle@egresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, May 14, 2024 9:04 AM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 344041

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (p/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 05/16/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, May 21, 2024 10:31 AM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 346200

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 05/24/2024 @ 07:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, July 9, 2024 10:45 AM
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 362144

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 07/12/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 860 FEL (32.67059,-104.61773)

Additional Information: Chase Settle 675-703-8537 chase_settle@egoresources.com

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.E NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, July 30, 2024 1:00 PM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 368438

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted Notification for (Final) Sampling of a Release (C-141N), for incident ID (n#) nAPP2111048250.

The sampling event is expected to take place:

When: 08/02/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.61773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egresources.com

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Date: August 9, 2024 at 8:58:55 AM CDT
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 372166

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To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 08/13/2024 @ 08:00

Where: F-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egoresources.com

Additional Instructions: Directions to site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, August 27, 2024 10:41 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 378268

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046260.

The sampling event is expected to take place:

When: 08/29/2024 @ 11:00

Where: F-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Chase Settle 575-703-6537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, September 12, 2024 10:38 AM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 382985

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111048250.

The sampling event is expected to take place:

When: 09/17/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 860 FEL (32.67059,-104.51773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know *why* you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, October 1, 2024 9:12 AM

To: James Kennedy <James_Kennedy@egoresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 388652

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 10/03/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.87059,-104.51773)

Additional Information: Chase Settle 575-703-8537 chase_settle@egoresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>
Sent: Thursday, October 3, 2024 10:10 AM
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 389591

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111048250.

The sampling event is expected to take place:

When: 10/08/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.61773)

Additional Information: Chase Settle 575-703-6537 chase_settle@egoresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Monday, October 14, 2024 3:42 PM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 392515

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 10/17/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.61773)

Additional Information: Chase Settle 575-703-8537

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Thursday, November 7, 2024 3:53 PM
To: James Kennedy <James.Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 400505

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111048250.

The sampling event is expected to take place:

When: 11/12/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 880 FEL (32.67059,-104.51773)

Additional Information: Will Kierdorf (512)335-1785

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, November 20, 2024 10:08 PM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 405418

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2111046250.

The sampling event is expected to take place:

When: 11/25/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.51773)

Additional Information: Will Kierdorf 512-335-1785

Additional Instructions: Directions to site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1). (a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



**RECLAMATION REPORT
(VOLUME 3 OF 4)
ROY SWD #3**

**NAB1801936658, NAB1834454137, NAPP2111045260, & NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

MAY 30, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by a horizontal line.

**William Kierdorf, REM
Project Manager**

APPENDIX D – NMOCD APPROVED SITE
REMEDICATION AND CLOSURE REPORTS

D.2 - NMOCD INCIDENT #NAPP2123047534



SITE REMEDIATION AND CLOSURE REPORT

NORTHERN ON-PAD AREA

**ROY SWD #3
NMOCD INCIDENT ID # NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773**

PREPARED FOR:

**EOG RESOURCES, INC.
ARTESIA DIVISION
105 S 4TH STREET
ARTESIA, NEW MEXICO 88210**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

JANUARY 14, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' and 'F' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' and 'K' followed by a horizontal line.

**William Kierdorf, REM
Project Manager**

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- Area Map
- Remediation Area Overview Map (nAPP2123047534)
- Soil Boring Location Map
- Final Excavation Area and Confirmation Sample Location Map (Wellhead Area)
- Final Excavation Area and Confirmation Sample Location Map (Pad Area)

TABLES

- Vertical Assessment Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data
- Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

ATTACHMENTS

- Attachment 1 – Soil Boring Logs
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – NMOCD Correspondence



SITE REMEDIATION AND CLOSURE REPORT NORTHERN ON-PAD AREA

**ROY SWD #3
NMOCD INCIDENT # NAPP NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773**

1.0 SITE LOCATION AND BACKGROUND

The Roy SWD #3 (Site) is located on private land, approximately 13.6 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit P, Section 7, T19S-R25E at GPS coordinates 32.67059, -104.51773. The site was operated by EOG Resources, Inc. (EOG), and historically consisted of a saltwater disposal well, a tank battery with an earthen containment berm, pump houses and associated equipment. Operations at the site were once conducted within the full extent of the facility pad; however, a reduction of operations at the Site left the southern approximate half of the facility pad unused. Prior to the reporting of the subject incident detailed below, reclamation efforts to decommission the southern portion of the pad were completed. In April and May of 2022, plugging and abandonment of the on-site disposal well was completed. Additionally, the on-site tank battery and associated equipment has been taken out-of-service, decommissioned, and removed from the Site.

On August 16, 2021, an estimated release of 25 barrels of produced water was discovered on the northern portion of the well pad. The released fluids were noted to originate from the injection line which ran from the pump house to the Roy SWD #3 injection well. Upon discovery, immediate actions were taken to halt the release of fluids and fluid recovery efforts were initiated. An emergency vacuum truck was dispatched to the location which successfully recovered approximately 20 bbls of the released fluids. Operations were immediately undertaken to begin excavating visually impacted soils.

Due to the estimated volume released, a Major Release Notification was submitted to NMOCD through email within the required 24-hour period from time of discovery (NMOCD Incident # nAPP2123047534). This was followed by a Form C-141 on August 19, 2021. Since the line was not metered, the incident was reported as an unknown release volume. EOG subsequently engaged Ranger Environmental Services, LLC (Ranger) to assist in the site assessment and remediation efforts.

It should be noted that multiple NMOCD incidents are present at the Site. Two incidents (NMOCD Incident #s nAB1801936658 & nAB1834454137) are associated with the former tank battery area located in the northern portion of the former facility. An additional NMOCD reportable incident (nAPP2111045250) is located to the south and southeast of the subject incident. Documentation of the impacts and completed remedial efforts in these areas will be submitted under separate cover. The following report is associated with the subject Incident ID #nAPP2123047534. The attached "*Remediation Area Overview Map*" illustrates the various incident areas at the Site.

As stated above, removal of visually impacted soils was initiated upon discovery of the release. These initial removal efforts included excavation in the vicinity of the release location and wellhead ("Wellhead Area") to depths up to approximately 12 feet below ground surface (bgs). Excavation of the observed surficial impacts observed on the Roy SWD #3 well/facility pad ("Pad Area") was completed to depths ranging from six inches to one foot below ground surface (bgs). These two areas associated with the subject Incident ID #nAPP2123047534 are also illustrated on the attached "*Remediation Area Overview Map*."

Due to status of the Roy SWD #3 injection well as the primary takeaway source for active adjacent wells in the area, the removal activities included the excavation of the failed injection line with a goal of replacing the line in order to bring the Roy SWD #3 well back to active status. Due to the level of impacts in the original pathway of the injection line, the rerouting was completed to the east of the release location and wellhead area.

Due to the extent of the soil impacts, delineation activities were determined to be necessary in order to develop a remedial strategy for the Site. Since full delineation of the impacts could not be completed in the required regulatory timeframe, an extension request for completion of a site characterization/remediation plan was submitted to the NMOCD on November 16, 2021. On November 18, 2021, the NMOCD approved of the extension request allowing until February 14, 2022 for the submittal of the site characterization and remediation plan.

It was ultimately determined that a core rig would be necessary to complete the vertical delineation of the soil impacts in the wellhead area. In addition, a decision was made to schedule the plugging and abandonment (P&A) of the Roy SWD #3 well; however, due to the extent of the completed remedial excavation activities, access to the well to allow for plugging operations was not possible and posed a safety risk. Since the soil delineation activities could not be completed by the updated regulatory target date, and due to the change of plans to P&A the Roy SWD #3 well, a second extension request was submitted to the NMOCD on February 14, 2022. On February 15, 2022, the NMOCD denied the extension request. As such, a Ranger prepared *Site Characterization and Proposed Remediation Plan* ("Remediation Plan"), dated March 11, 2022, was subsequently submitted to the NMOCD.

The Remediation Plan included details of the release response efforts completed to date as well as the injection line reroute efforts. The plan included proposed backfilling and geosynthetic clay liner (GCL) installation to allow for the P&A of the Roy SWD #3 well and the completion of the vertical soil delineation activities. Additionally, the Remediation Plan presented a strategy of limited removal soil removal with utilization of a GCL for the remaining soil impacts associated with the incident. On September 13, 2022, the NMOCD conditionally approved the Remediation Plan. The September 13, 2022 NMOCD email stated (in part):

"The Remediation Plan is Conditionally Approved. The geosynthetic clay liner at 6 feet below ground surface is approved under the circumstance that as much contaminated soil is safely removed as possible. The excavations should be backfilled to 6 feet below surface with clean material, liner installed, and then backfilled to surface with clean material."

Since the NMOCD response to the Remediation Plan was not received until September 2022, a decision was made to move forward and implement the proposed activities to allow for the P&A of the Roy SWD #3 well and the completion of the vertical soil delineation activities. The well plugging activities were completed in April 2022. Upon completion of the P&A operations, the



vertical soil delineation activities and continued remediation of the remaining impacted areas were completed.

During the performance of the remaining site remediation activities, concern regarding completion of the approved limited soil removal and GCL installation arose. Due to unclear guidance regarding cleanup goals at the Site, and if the completed activities would allow for incident closure the Site remediation strategy was altered. Based on this concern, the remedial goal for the remaining soil impacts in the Pad Area was the attainment of the 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50'), as detailed below.

The following *Site Remediation and Closure Report* has been prepared to provide the details of the completed site activities. A *Topographic Map* and aerial *Area Map* depicting the Site location and surrounding areas are attached. As summarized above, a *Remediation Area Overview Map* is also attached which illustrates the subject remediation areas and additional incident areas at the Site.

2.0 SITE REMEDIATION

2.1 Roy SWD #3 P&A and Facility Decommissioning

As detailed in the Remediation Plan, to allow P&A operations of the Roy SWD #3 Well, backfill of the excavated area was necessary. In April 2022, the excavation in the Wellhead Area was prepared, a GCL was installed in the base of the excavated area, and the area was backfilled. The excavation backfill process was completed to grade with clean fill material in accordance with NMAC 19.15.29.13.

Upon completion of the GCL installation and backfill process, plugging operations of the Roy SWD #3 were initiated with P&A operations concluding on April 28, 2022. In April and May 2022, the remaining on-site equipment, including the tank battery, were decommissioned and removed from the Site. This allowed for the unhindered completion of the soil delineation activities and the soil removal activities in other areas of the Site.

2.2 Vertical Delineation

Following completion of the well P&A and facility decommissioning operations, the needed vertical soil delineation activities were completed. During May 18-19, 2022, Ranger personnel and HCI Drilling (HCI) conducted the vertical soil delineation activities at the Site. A total of five soil borings were installed and sampled.

Three of the soil borings (SB's 1-3) were completed in areas associated with the former tank battery (NMOCD incident #'s nAB1801936658 & nAB1834454137) located to the north of the subject incident area. Details of the three borings associated with the tank battery area have been reported under separate letter and submitted under the applicable NMOCD incident numbers for the area. The remaining two soil borings (SB's 4-5) were completed in locations noted to be impacted by the subject release incident. Soil boring SB-4 was completed along the eastern pad boundary in an area observed to have surficial impacts during the discovery of the subject release. Soil boring SB-5 was completed in the excavated and backfilled Wellhead Area. The attached "Soil Boring Location Map" illustrates the soil boring locations.

During the soil boring installation process, soil samples were continuously collected and monitored. Each soil sample was inspected and described by the on-site Ranger field geologist. The soils were generally field screened at one-foot intervals with an organic vapor monitor (OVM) and field chloride titration kit. The lithologic descriptions, field chloride readings and OVM readings are presented on the attached soil boring logs.

At each boring location, soil samples were collected for laboratory analysis at various depths in order to adequately delineate the extent of impacts beyond the target 600 mg/Kg chloride concentration. Upon collection, the soil samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. Copies of the laboratory analytical reports including chain-of-custody documentation are attached. Summary tables of the soil analytical results are provided in the *Vertical Delineation Soil Sample BTEX, TPH & Chloride Analytical Data* summary table included in the *Tables* section of this report.

The vertical delineation soil boring results documented successful delineation of the soil chloride impacts to levels within the target 600 mg/Kg chloride criteria at depths of approximately 20 feet in SB-4 and 39' in SB-5. All soil BTEX and TPH concentrations were found to be nondetectable. Groundwater was not encountered in the completed borings. As summarized in the Remediation Plan, the depth to water for the wells located closest to the subject Site ranged between 72-97 feet bgs. During the previously completed delineation efforts in the tank battery area, no groundwater was reported to have been encountered at depths of up to 75 feet bgs. Based upon the above, the vertical delineation activities documented that the soil chloride impacts do not appear to pose a threat to the underlying groundwater.

2.3 NMOCD Meetings

During the course of this project, numerous teleconference meetings were held between NMOCD, EOG, and Ranger personnel to discuss the on-going efforts at the Site. During a meeting on November 29, 2022, specifics of the completed efforts in Wellhead Area were discussed in detail. After review of the completed activities in the Wellhead Area, NMOCD representatives confirmed that the actions undertaken in the area were deemed acceptable and no further action was necessary in the area. As requested by the participating NMOCD representatives, a meeting summary was subsequently prepared by Ranger and emailed to the NMOCD on December 5, 2022. The meeting summary is presented below:

“Based upon the results of the conference call, the NMOCD was generally satisfied with the ongoing activities in this area as well as confirming that the previous remediation activities around the wellhead including liner placement are complete with no further actions to be completed where the confirmation samples were below closure criteria or in the lined area. It was discussed that the remediation approach for this area is similar to the eastern off-pad area with affected soil areas being excavated to minimum depths of 6 feet bgs and any areas remaining in exceedance of the closure criteria being covered with a GCL liner. The only possible exception to this would be that if any remaining soils below 6 feet bgs are documented to contain chloride concentrations in excess of 10,000 mg/Kg, then this will be discussed with the NMOCD prior to liner placement to determine whether attempts should be made to further excavate in these areas until soils with lower chloride concentrations are reached. Vertical delineation of impacts in the northern on-pad area will be conducted similarly to the eastern off-pad area.”

The NMOCD replied via email on January 24, 2023 confirming that Ranger’s meeting summary was accurate. Copies of Ranger’s meeting summary email and the subsequent NMOCD response are attached.

2.4 Closure Criteria

Based upon the site characterization details¹ provided in the March 11, 2022 *Remediation Plan*, and the concerns of obtaining incident closure, the remaining remedial efforts at the Site were conducted in order to attain the Table 1 19.15.29.12 NMAC (groundwater ≤50’ feet) criteria (Table 1 Criteria) and did not include utilization of a GCL. Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The NMAC 19.15.29 criteria is detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50’) & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0’-4’)	600	100 ²	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details are included in the *Site Characterization and Proposed Remediation Plan*, dated March 11, 2022.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC)* dated December 1, 2023.

2.5 Impacted Soil Removal and Remediation Summary

From September 2022 to May 2024, continued soil removal operations were completed in the remaining impacted Pad Area. Due to the size of the affected Pad Area, and for logistical reasons, the Pad Area was subdivided into three sub-areas dubbed the “Eastern,” “Middle,” and “Southern” Pad Areas. These areas are illustrated on the attached figure titled “*Final Excavation Area and Confirmation Sample Location Map (Pad Area)*.” The Wellhead Area is illustrated on the attached figure titled “*Final Excavation Area and Confirmation Sample Location Map (Wellhead Area)*.” This figure also illustrates the area where the GCL liner was installed within the excavated area. It should be noted that during the performance of the site remedial operations, additional soil impacts were encountered that appeared to be associated with historic site operations. These impacts were addressed in conjunction with the remedial efforts for the subject release incident.

Field readings were continuously collected throughout the excavation process to guide the horizontal and vertical extents of the excavation and qualitatively assess the cleanup progress. The field screening activities conducted by Ranger personnel during the soil excavation process involved the usage of an organic vapor monitor (OVM) and field chloride titration kit to assist in guiding the excavation to appropriate boundaries. Upon reaching boundaries in an area which appeared to have attained the site closure criteria based upon the field screening results, cleanup confirmation soil samples were then collected for laboratory analysis in accordance with the



approved Remediation Plan. Prior to each cleanup confirmation soil sampling event, appropriate notice was provided to the NMOCD in accordance with NMAC 19.15.29.12 (D). Copies of the notifications are attached.

Numerous cleanup confirmation soil sampling events were ultimately conducted to verify the field readings and confirm whether or not the site closure criteria had been attained. In the event that the cleanup confirmation soil sampling results indicated that the site closure criteria had not been attained, then additional over-excavation and re-sampling of those areas was conducted.

The cleanup confirmation soil samples were collected from the sidewalls and base of the excavated areas in accordance with NMAC 19.15.29.12 Subsection D as five-point composite samples representative of no more than 200 square feet. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Ranger personnel wore new nitrile gloves while handling each sample in order to prevent cross-contamination of samples.

The collected soil samples were containerized in sterile, laboratory-supplied containers and were subsequently sealed in one or more zip lock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date and time of sample collection, and samplers' initials. Chain-of-custody forms were completed to document sample transport to the analytical laboratory.

Upon collection, the soil samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of TPH, BTEX, and total chloride using the aforementioned laboratory methods. Copies of the laboratory analytical reports including chain-of-custody documentation are attached. Summary tables of the soil analytical results are provided in the *Tables* section of this report. Any results presented with a "strikethrough" indicate that those sample areas were further over-excavated and resampled.

2.6 Final Excavation and Remediation Area Status

Copies of the laboratory analytical reports and chain-of-custody documentation for the cleanup confirmation soil samples are attached. Analytical data summary tables are also attached which provide a summary of the cleanup confirmation soil sample laboratory analytical results. In summary, the final cleanup confirmation soil sample results documented attainment of the Table 1 Criteria (GW \leq 50') and Reclamation Criteria in all excavation areas located outside of the area where the GCL liner had been installed.

The final Wellhead Area excavation measured approximately 88 feet by 84 feet and was completed to depths ranging from approximately four to 12 feet bgs. The attached figure titled "*Final Excavation Area and Confirmation Sample Location Map (Wellhead Area)*" depicts the completed excavation area, confirmation sample locations, and GCL liner installation area.

The final excavation associated with the Pad Area was irregularly shaped and had maximum dimensions of approximately 205 feet by 205 feet and was completed to depths ranging from six feet to 15 feet bgs. The attached figure titled "*Final Excavation Area and Confirmation Sample Location Map (Pad Area)*" depicts the completed excavation boundaries and locations of the final cleanup confirmation soil samples for the Pad Area.

2.7 Waste Disposal

All soils generated during the remedial excavation activities were transported to disposal at either the Lea Land disposal facility in Eddy County, New Mexico or the Gandy Marley disposal facility located in Chavez County, New Mexico.

3.0 SITE CLOSURE

3.1 Site Completion & Backfill

As detailed above, installation of the GCL liner and backfilling of the "Wellhead Area" excavation was completed in April 2022. Backfilling of the "Pad Area" was completed upon confirmation that the Table 1 Criteria (GW \leq 50') and Reclamation Criteria had been achieved. All areas were backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13.

3.2 Site Revegetation & Reclamation

As the Site is no longer active, revegetation and reclamation efforts will be completed in accordance with NMAC 19.15.29.13. Full details of the Site revegetation and reclamation efforts will be submitted in a subsequent Site Reclamation Report.

3.3 Closure Request

Based on the completed site remediation and cleanup confirmation soil sampling activities, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests closure of the incident.



FIGURES

Topographic Map

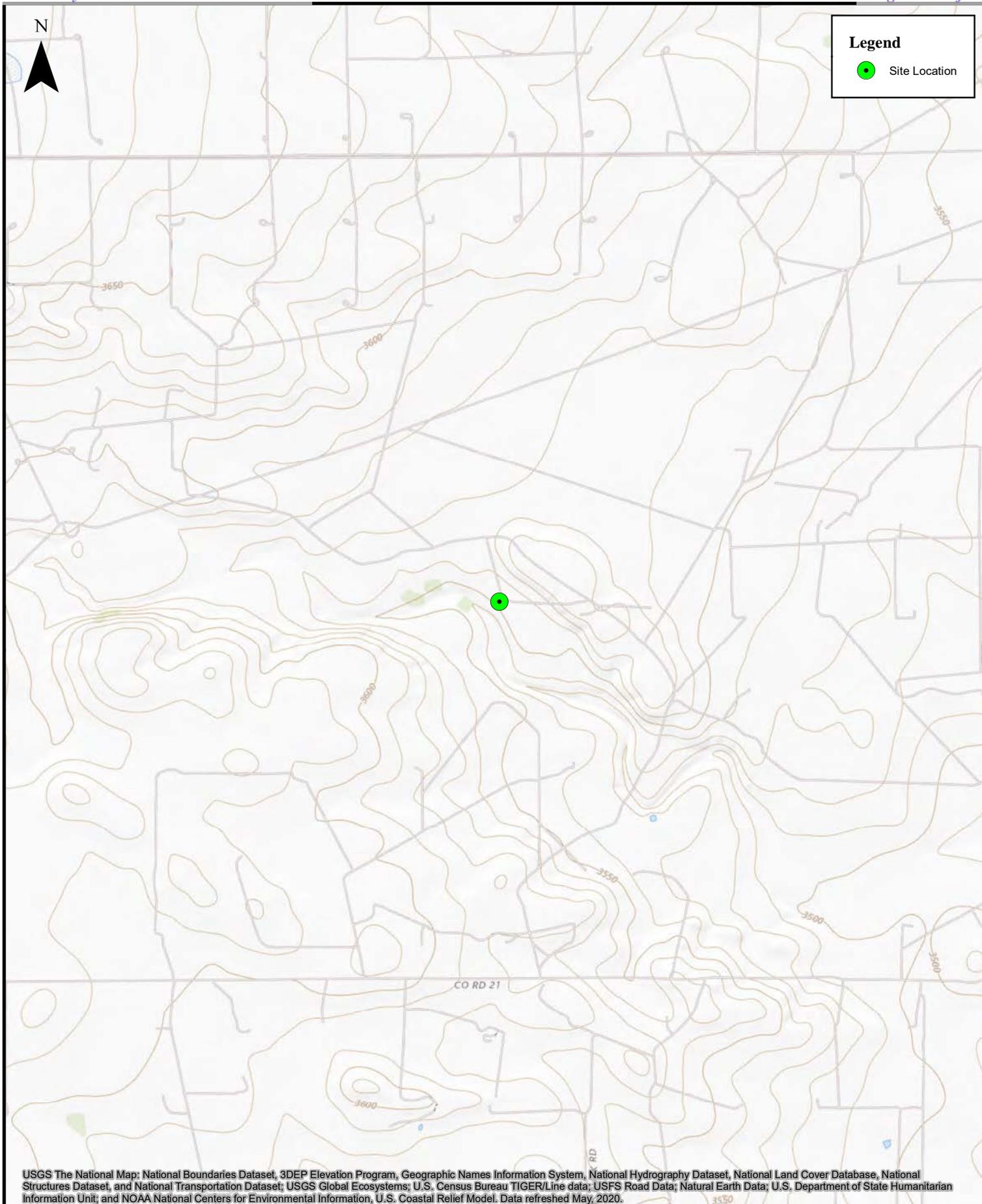
Area Map

Remediation Area Overview Map (nAPP2123047534)

Soil Boring Location Map

Final Excavation Area and Confirmation Sample Location Map
(Wellhead Area)

Final Excavation Area and Confirmation Sample Location Map
(Pad Areas)

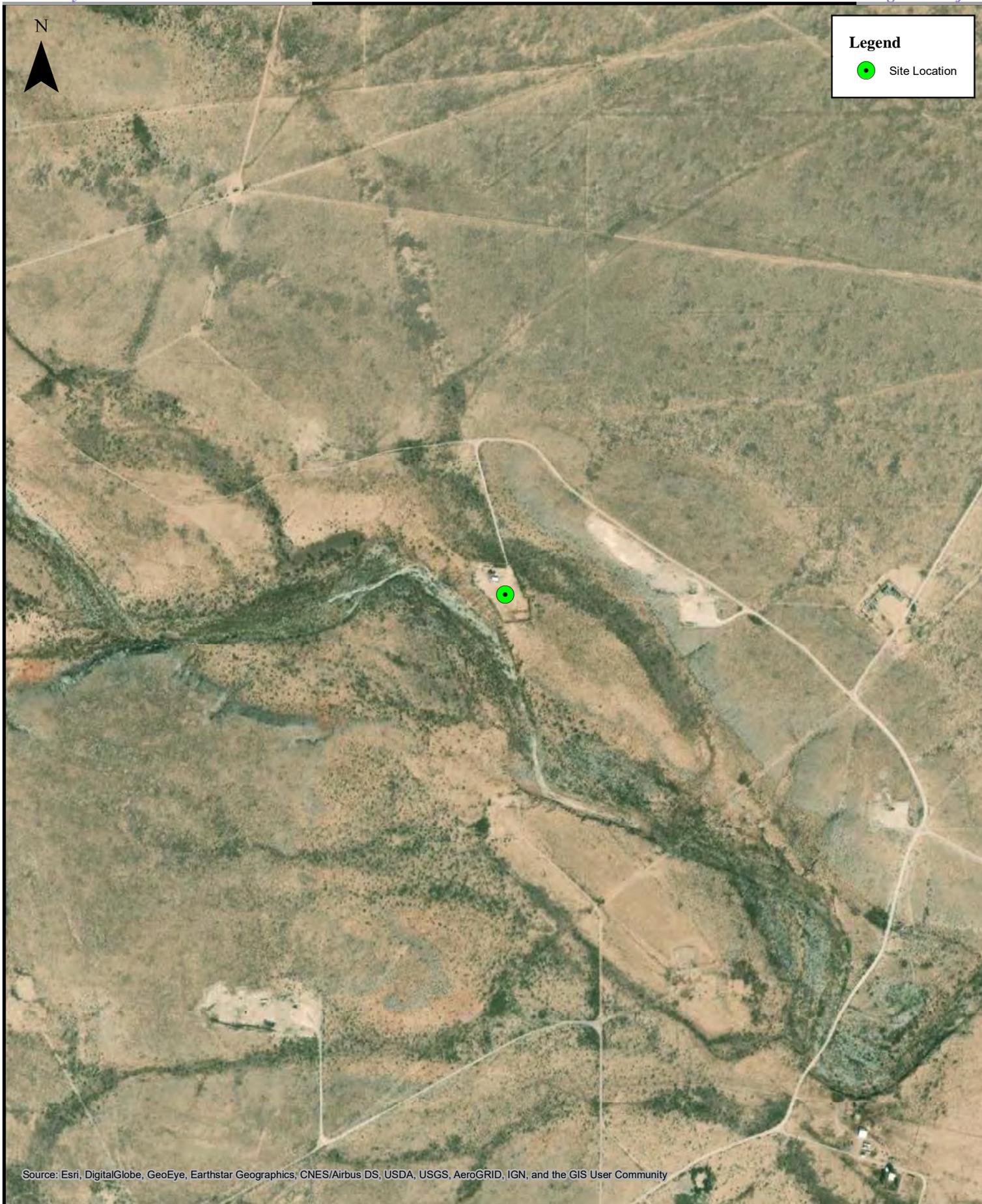


USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.



0 600 1,200 2,400 3,600 4,800 Feet
1:24,000

Topographic Map
Roy SWD #3
EOG Resources, Inc.



Legend

-  Site Location

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



0 250 500 1,000 1,500 2,000 Feet

1:10,000

Area Map
Roy SWD #3
EOG Resources, Inc.



Legend

-  Subject Impact/Remediation Area (nAPP2123047534)
-  Wellhead Excavation Area
-  Pad Excavation Area
-  nAB1801936658 & nAB1834454137 Impact/Remediation Area
-  nAPP2111046250 Remediation Area

Subject Impact/Remediation Area (nAB1801936658 & nAB1834454137)

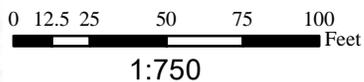
Wellhead Excavation Area

Pad Excavation Area

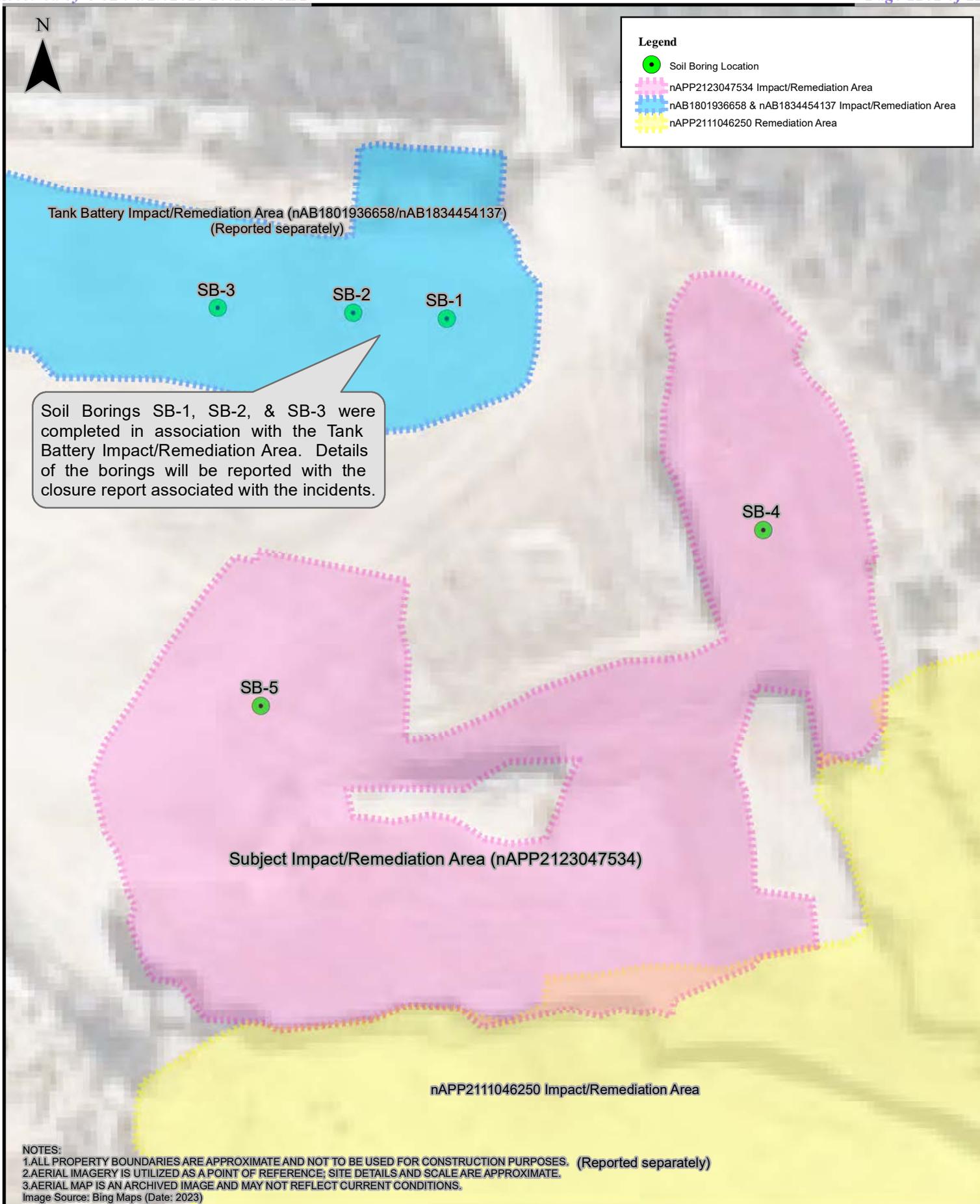
nAPP2111046250 Impact/Remediation Area

Subject Impact/Remediation Area (nAPP2123047534)

NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



Remediation Area Overview Map
(nAPP2123047534)
 Roy SWD #3
 EOG Resources, Inc.



RANGER
ENVIRONMENTAL SERVICES, LLC

0 5 10 20 30 40 Feet
1:400

Soil Boring Location Map
 Roy SWD #3
 EOG Resources, Inc.

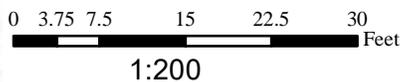


Legend

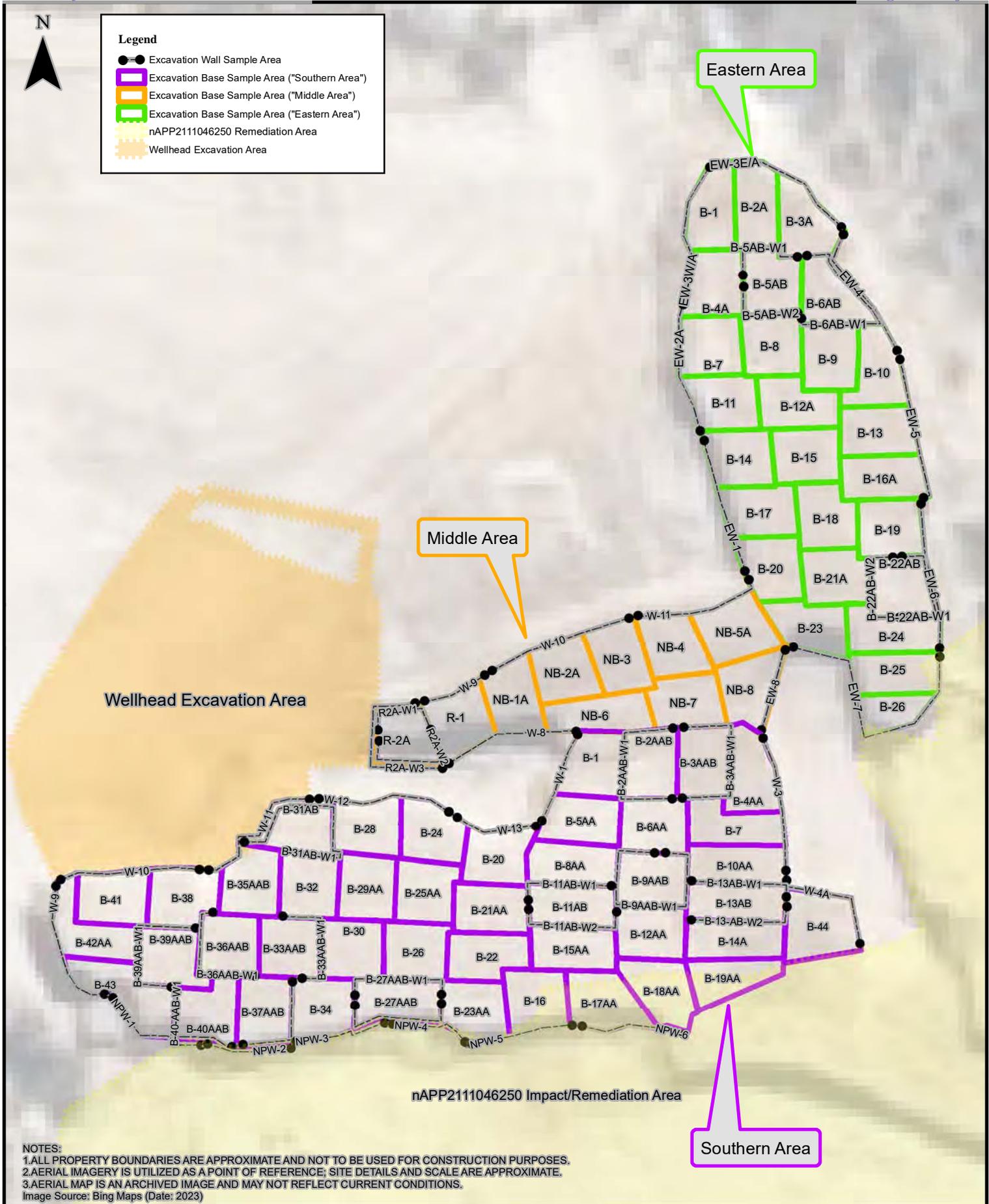
- Excavation Wall Sample Area
- Excavation Base Sample Area
- GCL Liner Installation Area (Approximate)
- nAPP2111046250 Remediation Area
- Pad Excavation Area
- Wellhead Excavation Area



NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



**Final Excavation Area and Confirmation
 Sample Location Map (Wellhead Area)**
 Roy SWD #3
 EOG Resources, Inc.



RANGER
ENVIRONMENTAL SERVICES, LLC

0 5 10 20 30 40 Feet
1:341

**Final Excavation Area and Confirmation
Sample Location Map (Pad Area)**
Roy SWD #3
EOG Resources, Inc.

TABLES

Vertical Assessment Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

VERTICAL DELINEATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA													
ROY SWD #3													
EDDY COUNTY, NEW MEXICO													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Borehole Sampling May 18 & 19, 2022													
SB1-23	5/18/2022	23'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.2	<46	<9.2	<46	1,400
SB1-38	5/18/2022	38'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.5	<47	<9.5	<47	670
SB1-39	5/18/2022	39'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.0	<45	<9.0	<45	590
SB1-40	5/18/2022	40'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.0	<45	<9.0	<45	260
SB2-29	5/18/2022	29'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<9.8	<49	<9.8	<49	5,200
SB2-47	5/18/2022	47'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<8.6	<43	<8.6	<43	750
SB2-48	5/18/2022	48'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.9	<49	<9.9	<49	310
SB2-49	5/18/2022	49'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<49	<9.9	<49	300
SB2-50	5/18/2022	50'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.1	<45	<9.1	<45	500
SB3-4	5/18/2022	4'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<10	<50	<10	<50	130
SB3-14	5/18/2022	14'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<10	<50	<10	<50	<60
SB3-29	5/18/2022	29'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<10	<50	<10	<50	63
SB3-30	5/18/2022	30'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.5	<47	<9.5	<47	<60
SB4-10	5/19/2022	10'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<9.5	<47	1,300
SB4-15	5/19/2022	15'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	890
SB4-20	5/19/2022	20'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.3	<46	<9.3	<46	250
SB4-30	5/19/2022	30'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<9.8	<49	<60
SB5-26	5/19/2022	26'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.8	<49	<9.8	<49	4,300
SB5-38	5/19/2022	38'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<47	<9.3	<47	1,100
SB5-39	5/19/2022	39'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.7	<49	<9.7	<49	420
SB5-40	5/19/2022	40'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.4	<47	<9.4	<47	380
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')			10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10³				50³					100³	600
Notes:													
1. Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.													
2. Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.													
3. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document <i>Procedures for the Implementation of the Spill Rule</i> (19.15.29 NMAC) dated September 6, 2019.													
4. NA - Not Analyzed													

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
WELLHEAD EXCAVATION AREA SOIL SAMPLES													
Excavation Base Soil Samples													
B-1	8/24/2021	6'	<0.016	<0.033	<0.033	<0.065	<0.07	<3.3	<9.7	<48	<9.7	<48	370
B-2	8/24/2021	6'	<0.018	<0.036	<0.036	<0.072	<0.07	<3.6	<9.3	<46	<9.3	<46	280
B-3	8/24/2021	6'	<0.018	<0.037	<0.037	<0.074	<0.07	<3.7	<9.9	<49	<9.9	<49	450
B-4	8/24/2021	6'-10'	<0.026	<0.053	<0.053	<0.11	<0.11	<5.3	<9.5	<47	<9.5	<47	480
B-5	8/24/2021	6'-11'	<0.028	<0.057	<0.057	<0.11	<0.11	<5.7	<10	<50	<10	<50	350
B-6	8/24/2021	11'	<0.021	<0.041	<0.041	<0.083	<0.08	<4.1	<9.7	<49	<9.7	<49	360
PL-WF1	3/30/2022	10'-12'	<0.017	<0.034	<0.034	<0.067	<0.07	<3.4	<9.7	<48	<9.7	<48	490
PL-WF2	3/31/2022	8'	<0.014	<0.028	<0.028	<0.057	<0.07	<2.8	<9.7	<49	<9.7	<49	320
PL-WF3	3/31/2022	8'	<0.014	<0.028	<0.028	<0.057	<0.07	<2.8	<9.7	<49	<9.7	<49	350
NEF-1	4/7/2022	8'	<0.019	<0.038	<0.038	<0.076	<0.08	<3.8	<9.8	<49	<9.8	<49	570
NWF-1	4/7/2022	10'-11'	<0.022	<0.045	<0.045	<0.090	<0.09	<4.5	<9.2	<46	<9.2	<46	420
SEF-1	4/7/2022	12'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.5	<48	<9.5	<48	91
SF-1	4/7/2022	10'-12'	<0.017	<0.034	<0.034	<0.068	<0.07	<3.4	<8.6	<43	<8.6	<43	<59
WH-1.A	9/21/2021	8'-10'	<0.020	<0.040	<0.040	<0.081	<0.08	<4.0	<9.8	<49	<9.8	<49	420
PL-1.A	9/21/2021	8'	<0.019	<0.038	<0.038	<0.076	<0.08	<3.8	<9.6	<48	<9.6	<48	500
PH-1.A	9/21/2021	4'	<0.021	<0.041	<0.041	<0.082	<0.08	<4.1	<10	<50	<10	<50	170
Excavation Wall Soil Samples													
N-1	8/24/2021	0'-6'	<0.019	<0.038	<0.038	<0.077	<0.08	<3.8	<9.6	<48	<9.6	<48	430
N-2	4/7/2022	0'-8'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<9.3	<46	<9.3	<46	220
NW-1	8/24/2021	0'-6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<9.8	<49	<9.8	<49	270
W-1	8/24/2021	0'-10'	<0.019	<0.038	<0.038	<0.076	<0.08	<3.8	<9.6	<48	<9.6	<48	370
SW-1	8/24/2021	0'-11'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.6	<48	<9.6	<48	410
SW-2	8/24/2021	0'-11'	<0.021	<0.042	<0.042	<0.084	<0.08	<4.2	<9.6	<48	<9.6	<48	540
PL-SW-1	9/21/2021	0'-10'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<9.5	<47	<9.5	<47	510
PL-EW-1	9/21/2021	0'-9'	<0.019	<0.037	<0.037	<0.074	<0.07	<3.7	<10	<50	<10	<50	520
PL-EW-2	9/21/2021	0'-8'	<0.020	<0.039	<0.039	<0.078	<0.08	<3.9	<9.7	<48	<9.7	<48	460
PL-WW-1	9/21/2021	0'-10'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.7	<48	<9.7	<48	820
PL-WW-2	9/21/2021	0'-8'	<0.020	<0.041	<0.041	<0.081	<0.08	<4.1	<9.4	<47	<9.4	<47	640
PL-NW-E	9/21/2021	0'-4'	<0.019	<0.037	<0.037	<0.075	<0.07	<3.7	<9.3	<46	<9.3	<46	490
PL-NW-W	9/21/2021	0'-4'	<0.018	<0.035	<0.035	<0.071	<0.07	<3.5	<9.7	<49	<9.7	<49	<60
PL-SW-N	9/21/2021	0'-4'	<0.020	<0.040	<0.040	<0.080	<0.08	<4.0	<9.8	<49	<9.8	<49	190

NA = Not Analyzed
 TPH = Total Petroleum Hydrocarbons
 mg/Kg = Milligrams per Kilogram

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
EASTERN PAD AREA SOIL SAMPLES													
Excavation Base Soil Samples													
B-1	10/14/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	92
B-2	10/14/2022	6'	<0.024	<0.047	<0.047	<0.096	<0.09	<4.7	<14	<47	<14	<47	2,400
B-2A	11/17/2022	6-10'	<0.0024	<0.00049	<0.00049	<0.00098	<0.00098	<0.049	<14	<47	<14	<47	330
B-3	10/14/2022	6'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<13	<45	<13	<45	3,600
B-3A	11/17/2022	10'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	250
B-4	10/14/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<48	<15	<48	1,000
B-4A	11/17/2022	6-8'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<13	<45	<13	<45	300
B-5	10/14/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<49	<15	<49	3,000
B-5A	11/17/2022	10'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	720
B-5AB	3/7/2024	13'	<0.023	<0.047	<0.047	<0.093	<0.10	<4.7	<9.6	<48	<9.6	<48	<60
B-6	10/14/2022	6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<50	<15	<50	720
B-6A	11/17/2022	10'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	620
B-6AB	3/7/2024	11'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<9.5	<48	<60
B-7	10/14/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	210
B-8	10/14/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	150
B-9	10/14/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<47	<14	<47	140
B-10	10/14/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	360
B-11	10/14/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	180
B-12	10/14/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<46	<14	<46	1,300
B-12A	11/16/2022	6-9'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	420
B-13	10/14/2022	6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	<61
B-14	10/14/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	90
B-15	10/14/2022	6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	160
B-16	10/14/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	670
B-16A	11/15/2022	6-8'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<49	<15	<49	480
B-17	10/14/2022	6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<46	<14	<46	<59
B-18	10/14/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	210
B-19	10/14/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<45	<14	<45	<60
B-20	10/14/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	110
B-21	10/14/2022	6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	630
B-21A	11/30/2022	6-10'	<0.023	<0.046	<0.046	<0.091	<0.09	<4.6	<14	<47	<14	<47	190
B-22	10/14/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	1,600
B-22A	11/21/2022	8'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<49	<15	<49	3,200
B-22AB	3/7/2024	9'	<0.025	<0.050	<0.050	<0.099	<0.09	<5.0	<9.4	<47	<9.4	<47	75
B-23	10/14/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<47	<14	<47	87
B-24	10/14/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<45	<14	<45	600
B-25	10/14/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	520
B-26	10/14/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	<60
Excavation Wall Soil Samples													
EW-1	10/12/2022	0-6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	70
EW-2	10/12/2022	0-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	620
EW-2/A	11/11/2022	0'-7'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	170
EW-3E	10/13/2022	0'-6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	850
EW-3E/A	11/11/2022	0'-10'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<46	<14	<46	400
EW-3W	10/13/2022	0'-6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	1,000
EW-3W/A	11/11/2022	0'-8'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<50	<15	<50	<60
EW-4	10/13/2022	0'-6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<49	<15	<49	<61
EW-5	10/12/2022	0-6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<48	<14	<48	<60
EW-6	10/12/2022	0-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<46	<14	<46	260
EW-7	10/12/2022	0-6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<45	<14	<45	210
EW-8	11/7/2022	0-6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<47	<14	<47	<60
B-5AB-W1	3/7/2024	10'-13'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.2	<46	<9.2	<46	81
B-5AB-W2	3/7/2024	6'-13'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.0	<45	<9.0	<45	330
B-6AB-W1	3/7/2024	6'-11'	<0.025	<0.050	<0.050	<0.099	<0.09	<5.0	<9.3	<46	<9.3	<46	68
B-22AB-W1	3/7/2024	6'-9'	<0.024	<0.048	<0.048	<0.097	<0.09	<4.8	<10	<50	<10	<50	280
B-22AB-W2	3/7/2024	6'-9'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.3	<47	<9.3	<47	140

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CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
 ROY SWD #3
 EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
"MIDDLE" PAD AREA SOIL SAMPLES													
Excavation Base Soil Samples													
R-1	10/25/2022	0-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	250
R-2	11/7/2022	0'-6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	630
R-2A	3/7/2024	11'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.9	<49	<9.9	<49	67
NB-1	10/25/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	1,500
NB-1A	11/16/2022	6'-7'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	450
NB-2	10/25/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<50	<15	<50	860
NB-2A	11/15/2022	6-9'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<15	<49	<15	<49	530
NB-3	10/25/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	410
NB-4	10/25/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	60
NB-5	10/25/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	850
NB-5A	11/15/2022	6-8'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	290
NB-6	10/25/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<48	<14	<48	64
NB-7	10/25/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	60
NB-8	10/25/2022	6'	<0.024	<0.047	<0.047	<0.095	<0.10	<4.7	<15	<49	<15	<49	220
Excavation Wall Soil Samples													
W-8	10/25/2022	0-6'	<0.024	<0.047	<0.047	<0.094	<0.10	<4.7	<14	<48	<14	<48	300
W-9	10/25/2022	0-6'	<0.024	<0.047	<0.047	<0.095	<0.10	<4.7	<14	<49	<14	<49	320
W-10	10/25/2022	0-6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<49	<15	<49	270
W-11	10/25/2022	0-6'	<0.024	<0.047	<0.047	<0.094	<0.10	<4.7	<14	<46	<14	<46	260
R2A-W1	3/7/2024	6'-11'	<0.025	<0.050	<0.050	<0.10	<0.09	<5.0	<9.5	<48	<9.5	<48	69
R2A-W2	3/7/2024	6'-11'	<0.025	<0.049	<0.049	<0.099	<0.09	<4.9	<9.2	<46	<9.2	<46	<60
R2A-W3	4/17/2024	0'-6'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<8.9	<44	<8.9	<44	350

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CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
"SOUTHERN" PAD AREA SOIL SAMPLES													
<i>Excavation Base Soil Samples</i>													
B-1	9/23/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<48	<15	<48	390
B-2	9/23/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	1,000
B-2AA	11/21/2022	10'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	740
B-2AAB	3/7/2024	11'	<0.025	<0.050	<0.050	<0.10	<0.09	<5.0	<9.0	<45	<9.0	<45	300
B-3	9/23/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<46	<14	<46	1,200
B-3AA	11/21/2022	10'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<48	<15	<48	840
B-3AAB	3/7/2024	15'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<9.8	<49	<9.8	<49	540
B-4	9/23/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	1,200
B-4AA	11/17/2022	6-8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	350
B-5	9/23/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<49	<15	<49	1,000
B-5AA	11/21/2022	6-10'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	390
B-6	9/23/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	950
B-6AA	11/30/2022	6-10'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	<60
B-7	9/23/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	470
B-8	9/23/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	1,000
B-8AA	11/21/2022	6-10'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<14	<46	<14	<46	500
B-9	9/23/2022	6'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<14	<46	<14	<46	1,200
B-9AA	11/21/2022	10'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	990
B-9AAB	3/7/2024	11'	<0.024	<0.049	<0.049	<0.097	<0.09	<4.9	<9.9	<49	<9.9	<49	<60
B-10	9/23/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<47	<14	<47	1,000
B-10AA	11/21/2022	6-10'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	420
B-11	9/23/2022	6'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	680
B-11A	11/16/2022	10'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<48	<15	<48	710
B-11AB	3/7/2024	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<8.7	<43	<8.7	<43	<60
B-12	9/23/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	860
B-12AA	11/30/2022	8-10'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<49	<15	<49	79
B-13	9/23/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<47	<14	<47	630
B-13A	11/15/2022	8'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	670
B-13AB	3/7/2024	9'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<9.3	<47	<9.3	<47	68
B-14	9/23/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	650
B-14A	11/15/2022	8'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<15	<50	370
B-15	9/23/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,000
B-15AA	11/22/2022	6-8'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<14	<48	<14	<48	230
B-16	9/23/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<46	<14	<46	570
B-17	9/23/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	1,000
B-17AA	11/22/2022	6-8'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<49	<15	<49	250
B-18	9/23/2022	6'	<0.024	<0.047	<0.047	<0.096	<0.09	<4.7	<14	<46	<14	<46	1,300
B-18AA	11/22/2022	6-8'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	200
B-19	9/23/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<50	<15	<50	900
B-19AA	11/22/2022	6-8'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<47	<14	<47	330
B-20	10/4/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<47	<14	<47	400
B-21	10/4/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	970
B-21AA	11/22/2022	6-10'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<15	<50	<15	<50	280
B-22	10/4/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	460
B-23	10/4/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<14	<48	<14	<48	1,200
B-23AA	11/30/2022	6-10'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<46	<14	<46	560
B-24	10/4/2022	6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	470
B-25	10/4/2022	6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	990
B-25AA	11/22/2022	6-10'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<15	<48	<15	<48	490
B-26	10/4/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	450
B-27	10/4/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<13	<44	<13	<44	2,200
B-27AA	11/30/2022	10'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<49	<15	<49	930
B-27AAB	3/7/2024	14'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<9.4	<47	<9.4	<47	290
B-28	10/4/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<48	<15	<48	460
B-29	10/4/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<47	<14	<47	1,100
B-29AA	11/22/2022	6-10'	<0.023	<0.047	<0.047	<0.093	<0.09	<4.7	<14	<48	<14	<48	360
B-30	10/4/2022	6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	440
B-31	10/4/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<15	<50	<15	<50	700
B-31A	11/16/2022	7'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	190	360	190	550	640
B-31AB	3/7/2024	11'	<0.023	<0.046	<0.046	<0.093	<0.10	<4.6	<9.5	<47	<9.5	<47	400
B-32	10/4/2022	6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	480
B-33	10/4/2022	6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<14	<47	<14	<47	3,800
B-33AA	11/30/2022	10'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	890
B-33AAB	3/7/2024	11-14'	<0.025	<0.050	<0.050	<0.10	<0.09	<5.0	<9.9	<49	<9.9	<49	470
B-34	10/4/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<14	<48	<14	<48	450
B-35	10/4/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<13	<45	<13	<45	1,700
B-35AA	11/30/2022	10'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<49	<15	<49	1,000
B-35AAB	3/7/2024	14'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<48	<9.5	<48	<60

NA = Not Analyzed
 TPH = Total Petroleum Hydrocarbons
 mg/Kg = Milligrams per Kilogram

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
ROY SWD #3
EDDY COUNTY, NEW MEXICO

All values presented in parts per million (mg/Kg)

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
B-36	4/4/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	2,300
B-36AA	11/30/2022	40'	<0.023	<0.046	<0.046	<0.094	<0.09	<4.6	<14	<47	<14	<47	1,300
B-36AAB	3/7/2024	14'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<47	<9.3	<47	280
B-37	4/4/2022	6'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<48	<14	<48	2,200
B-37AA	11/30/2022	40'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	680
B-37AAB	3/7/2024	11'	<0.025	<0.050	<0.050	<0.099	<0.09	<5.0	<10	<50	<10	<50	72
B-38	10/4/2022	6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<13	<42	<13	<42	220
B-39	4/4/2022	6'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<15	<49	<15	<49	4,900
B-39AA	11/30/2022	40'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<50	<15	<50	1,400
B-39AAB	3/7/2024	11'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.1	<46	<9.1	<46	<60
B-40	4/4/2022	6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<48	<14	<48	4,900
B-40AA	11/30/2022	40'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,400
B-40AAB	3/7/2024	11'	<0.024	<0.049	<0.049	<0.097	<0.09	<4.9	<9.3	<46	<9.3	<47	<60
B-41	10/4/2022	6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	220
B-42	4/4/2022	6'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<14	<46	<14	<46	3,100
B-42AA	11/30/2022	6-10'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<50	<15	<50	400
B-43	10/4/2022	6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<15	<48	<15	<48	510
B-44	11/15/2022	6'	<0.024	<0.047	<0.047	<0.095	<0.09	<4.7	<14	<47	<14	<47	510

Excavation Wall Soil Samples

W-1	9/23/2022	0'-6'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<14	<48	<14	<48	450
W-2	9/23/2022	0'-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<49	<15	<49	850
W-3	9/23/2022	0'-6'	<0.023	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<47	<14	<47	480
W-4	9/23/2022	0'-6'	<0.025	<0.049	<0.049	<0.099	<0.10	<4.9	<14	<46	<14	<46	1,500
W-4A	10/13/2022	0'-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<15	<50	<15	<50	340
W-5	9/23/2022	0'-6'	<0.023	<0.046	<0.046	<0.092	<0.09	<4.6	<14	<46	<14	<46	890
W-6	9/23/2022	0'-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<13	<45	<13	<45	2,000
W-7	9/23/2022	0'-6'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<14	<48	1,790
W-8	10/3/2022	0'-6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<15	<48	<15	<48	5,800
W-9	10/3/2022	0'-6'	<0.024	<0.048	<0.048	<0.097	<0.10	<4.8	<15	<49	<15	<49	430
W-10	10/3/2022	0'-6'	<0.024	<0.047	<0.047	<0.094	<0.09	<4.7	<14	<48	<14	<48	280
W-11	10/3/2022	0'-6'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<13	<45	<13	<45	330
W-12	10/3/2022	0'-6'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<14	<46	<14	<46	240
W-13	10/3/2022	0'-6'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<15	<50	<15	<50	300

NPW-1	5/24/2024	4'-11'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.7	<48	<9.7	<48	210
NPW-2	5/24/2024	4'-11'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.0	<45	<9.0	<45	210
NPW-3	5/24/2024	4'-14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<8.9	<45	<8.9	<45	210
NPW-4	5/24/2024	4'-14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	220
NPW-5	5/24/2024	4'-10'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<8.8	<44	<8.8	<44	200
NPW-6	5/24/2024	4'-8'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.5	<43	<8.5	<43	230

B-2AAB-W1	3/7/2024	6'-11'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<8.6	<43	<8.6	<43	440
B-3AAB-W1	3/7/2024	10'-15'	<0.024	<0.049	<0.049	<0.097	<0.10	<4.9	<9.7	<49	<9.7	<49	<60
B-9AAB-W1	3/7/2024	9'-11'	<0.025	<0.050	<0.050	<0.099	<0.09	<5.0	12	<45	12	<45	<60
B-11AB-W1	3/7/2024	10'-14'	<0.025	<0.050	<0.050	<0.099	<0.10	<5.0	<9.3	<46	<9.3	<46	<60
B-11AB-W2	3/7/2024	8'-14'	<0.024	<0.048	<0.048	<0.095	<0.10	<4.8	<9.0	<45	<9.0	<45	250
B-13AB-W1	3/7/2024	6'-9'	<0.024	<0.048	<0.048	<0.095	<0.09	<4.8	<9.1	<45	<9.1	<45	<60
B-13AB-W2	3/7/2024	6'-9'	<0.025	<0.049	<0.049	<0.098	<0.10	<4.9	<9.3	<46	<9.3	<46	64
B-31AB-W1	3/7/2024	6'-11'	<0.025	<0.049	<0.049	<0.099	<0.09	<4.9	<10	<50	<10	<50	330
B-39AAB-W1	3/7/2024	6'-11'	<0.024	<0.049	<0.049	<0.098	<0.10	<4.9	<9.2	<46	<9.2	<46	340
B-40AAB-W1	3/7/2024	6'-11'	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<9.4	<47	160
B-37AAB-W1	3/7/2024	6'-11'	<0.025	<0.050	<0.050	<0.099	<0.09	<5.0	<9.7	<48	<9.7	<48	73
B-27AAB-W1	3/7/2024	6'-14'	<0.023	<0.047	<0.047	<0.094	<0.10	<4.7	<9.0	<45	<9.0	<45	120
B-27AAB-W2	3/7/2024	6'-14'	<0.024	<0.048	<0.048	<0.097	<0.09	<4.8	<8.8	<44	<8.8	<44	130
B-36AAB-W1	3/7/2024	6'-14'	<0.023	<0.046	<0.046	<0.093	<0.09	<4.6	<9.5	<48	<9.5	<48	430
B-33AAB-W1	3/7/2024	6'-14'	<0.024	<0.048	<0.048	<0.096	<0.10	<4.8	<9.5	<47	<9.5	<47	93

19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')	10	---	---	---	50	---	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)	10³				50³						100³	600

- Notes:
- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
 - Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
 - Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC)* dated December 1, 2023.
 - Strikethrough indicates that an area has been excavated.

NA = Not Analyzed
 TPH = Total Petroleum Hydrocarbons
 mg/Kg = Milligrams per Kilogram

ATTACHMENT 1 – SOIL BORING LOGS



Ranger Environmental Services, Inc.
 P.O. Box 201179,
 Austin, Texas 78720
 Phone: (512)335-1785
 Fax: (512)335-0527

BORING NUMBER SB-4
 PAGE 1 OF 1

CLIENT EOG Resources, Inc. **PROJECT NAME** Roy SWD #3
PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico
DATE STARTED 5/19/22 **COMPLETED** 5/19/22
DRILLING CONTRACTOR HCI **GROUND WATER LEVELS:**
DRILLING METHOD Air Rotary **AT TIME OF DRILLING** ---
LOGGED BY Robert Martin **CHECKED BY** Patrick Finn **AFTER DRILLING** ---
GPS COORDINATES 32.670824°, -104.517308° **BTOC = Below Top Of Casing**
GB = Grab Sample
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID/FIELD CHLORIDE TITRATION (in ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0						Casing Type: 6.25" Diameter Temp. Well
0 - 3.0			0 / -		(CL) Clayey Silt, dark brown, very well sorted, loamy, very fine grained, soft	
3.0 - 19.0			0.7 / - 0 / -		(ML) Clayey Silt, light brown, gray, well sorted, medium stiff to stiff, gypsum inclusions	
19.0 - 23.0	GB		0 / 1050 0 / - 0 / - 0 / - 0 / - 0 / - 0 / - 0 / -		(ML) Sandy Silt, light brown to olive gray, very well sorted, soft, very fine grained	
23.0 - 30.0	GB		0 / 600 0 / 600 0 / 450 0 / 300 0 / 300 0 / 300 0 / 300 0 / 300 0 / 300 0 / 150 0 / 150 0 / 150 0 / 150 0 / 150		(SM) Gravelly Silt, light brown to olive gray, moderately sorted, soft	
30.0	GB		0 / 150			
Bottom of borehole at 30.0 feet.						



Ranger Environmental Services, Inc.
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 Austin, Texas 78720
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 Fax: (512)335-0527

BORING NUMBER SB-5
 PAGE 1 OF 2

CLIENT EOG Resources, Inc. **PROJECT NAME** Roy SWD #3
PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico
DATE STARTED 5/19/22 **COMPLETED** 5/19/22 **GROUND WATER LEVELS:**
DRILLING CONTRACTOR HCI **AT TIME OF DRILLING** ---
DRILLING METHOD Air Rotary **AFTER DRILLING** ---
LOGGED BY Robert Martin **CHECKED BY** Patrick Finn **BTOC = Below Top Of Casing**
GPS COORDINATES 32.670695°, -104.517747° **GB = Grab Sample**
GEO = Geotech Sample

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID/FIELD CHLORIDE TITRATION (In ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
0					Silty Soil Backfill	Casing Type: 6.25" Diameter Temp. Well
5			0			
10			0			
15			0		Liner encountered	
20			0			
23.0			0 / 3300			
25	GB		0 / 3000+		(GC) Clayey Gravelly Silt, brown, moderately sorted, soft, 0.10"-0.25" diameter gravel, rounded to subangular	Bentonite
30			0 / 3000+			
35			0 / 2400			
			0 / 2700			
			0 / 1800			
			0 / 2400			
			0 / 2100			
			0 / 1200			
			0 / 900			
			0 / 900			

(Continued Next Page)



Ranger Environmental Services, Inc.
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 Austin, Texas 78720
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BORING NUMBER SB-5
 PAGE 2 OF 2

CLIENT EOG Resources, Inc. **PROJECT NAME** Roy SWD #3
PROJECT NUMBER 5375 **PROJECT LOCATION** Eddy County, New Mexico

DEPTH (ft)	SOIL SAMPLE ANALYSIS	GROUNDWATER LEVELS (BTOC)	PID/FIELD CHLORIDE TITRATION (in ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	WELL DIAGRAM
35						
			0 / 1650 0 / 1500			
			0 / 1200		(SM) Clayey Sandy Silt, red to reddish-brown, well sorted, soft, poorly graded, 0.10"-0.25" diameter gravel, subrounded	
	GB		0 / 1050			
	GB		0 / 300			
40	GB		0 / 300			

Bottom of borehole at 40.0 feet.

ENVIRONMENTAL BH - GINT STD US.GDT - 8/19/22 08:38 - R:\DRAFTING FILES\GINT LOGS\5375 - ROY SWD #3 - BORING LOGS.GPJ

ATTACHMENT 2 – PHOTOGRAPHIC
DOCUMENTATION



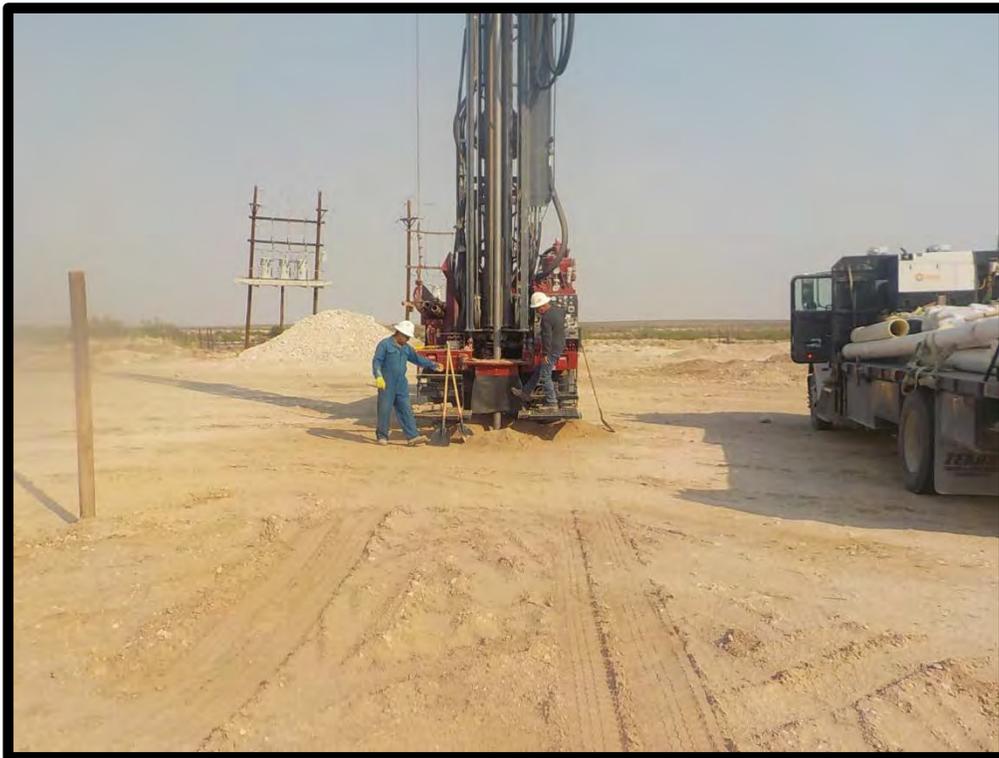
PHOTOGRAPH NO. 1 – A view of “Wellhead Area” during the soil removal and preparation process. The view is towards the northeast.

(Approximate GPS Coordinates: 32.670569, -104.517875)



PHOTOGRAPH NO. 2 – A view of the “Wellhead Area” during the GCL installation process in April 2022. The view is towards the southeast.

(Approximate GPS Coordinates: 32.670747, -104.517872)



PHOTOGRAPH NO. 3 – A view of vertical delineation soil boring activities in the “Wellhead Area” on May 19, 2022. The former Roy SWD #3 well head location can be seen in the left-hand side of the photograph. The view is towards the northwest.
(Approximate GPS Coordinates: 32.670601, -104.517669)



PHOTOGRAPH NO. 4 – A view of the “Eastern” Pad Area during the remediation process. The view is towards the southeast.
(Approximate GPS Coordinates: 32.670951, -104.517395)



PHOTOGRAPH NO. 5 – A view of the “Middle” Pad Area during the remediation process. The view is towards the east.

(Approximate GPS Coordinates: 32.670645, -104.517688)



PHOTOGRAPH NO. 6 – A view of the “Southern” Pad Area during the remediation process. The view is towards the east.

(Approximate GPS Coordinates: 32.670476, -104.517867)



PHOTOGRAPH NO. 7 – A view “Eastern” Pad Excavation Area upon completion. The view is towards the east.



PHOTOGRAPH NO. 8 – A view “Middle” Pad Excavation Area upon completion. The view is towards the east.



PHOTOGRAPH NO. 9 – A view “Southern” Pad Excavation Area upon completion. The view is towards the south.

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

August 30, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2108E67

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 11 sample(s) on 8/26/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Roy SWD 3

Collection Date: 8/24/2021 10:53:00 AM

Lab ID: 2108E67-001

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	370	61		mg/Kg	20	8/26/2021 10:16:24 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/26/2021 12:23:57 PM	62203
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 12:23:57 PM	62203
Surr: DNOP	149	70-130	S	%Rec	1	8/26/2021 12:23:57 PM	62203
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	8/26/2021 12:43:00 PM	R80824
Surr: BFB	93.6	70-130		%Rec	1	8/26/2021 12:43:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.016		mg/Kg	1	8/26/2021 12:43:00 PM	R80824
Toluene	ND	0.033		mg/Kg	1	8/26/2021 12:43:00 PM	R80824
Ethylbenzene	ND	0.033		mg/Kg	1	8/26/2021 12:43:00 PM	R80824
Xylenes, Total	ND	0.065		mg/Kg	1	8/26/2021 12:43:00 PM	R80824
Surr: 4-Bromofluorobenzene	83.0	70-130		%Rec	1	8/26/2021 12:43:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Roy SWD 3

Collection Date: 8/24/2021 10:57:00 AM

Lab ID: 2108E67-002

Matrix: MEOH (SOIL) **Received Date:** 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	280	60		mg/Kg	20	8/26/2021 10:28:48 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	8/26/2021 12:33:42 PM	62203
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	8/26/2021 12:33:42 PM	62203
Surr: DNOP	155	70-130	S	%Rec	1	8/26/2021 12:33:42 PM	62203
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Surr: BFB	92.3	70-130		%Rec	1	8/26/2021 1:04:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.018		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Toluene	ND	0.036		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Ethylbenzene	ND	0.036		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Xylenes, Total	ND	0.072		mg/Kg	1	8/26/2021 1:04:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	8/26/2021 1:04:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Roy SWD 3

Collection Date: 8/24/2021 11:01:00 AM

Lab ID: 2108E67-003

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	450	60		mg/Kg	20	8/26/2021 10:41:12 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	8/26/2021 3:52:45 PM	62203
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2021 3:52:45 PM	62203
Surr: DNOP	125	70-130		%Rec	1	8/26/2021 3:52:45 PM	62203
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Surr: BFB	93.4	70-130		%Rec	1	8/26/2021 1:44:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.018		mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Toluene	ND	0.037		mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Ethylbenzene	ND	0.037		mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Xylenes, Total	ND	0.074		mg/Kg	1	8/26/2021 1:44:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.6	70-130		%Rec	1	8/26/2021 1:44:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Roy SWD 3

Collection Date: 8/24/2021 2:20:00 PM

Lab ID: 2108E67-004

Matrix: MEOH (SOIL) **Received Date:** 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	480	60		mg/Kg	20	8/26/2021 10:53:36 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	8/26/2021 4:17:03 PM	62203
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	8/26/2021 4:17:03 PM	62203
Surr: DNOP	124	70-130		%Rec	1	8/26/2021 4:17:03 PM	62203
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.3		mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Surr: BFB	95.4	70-130		%Rec	1	8/26/2021 2:04:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.026		mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Toluene	ND	0.053		mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Ethylbenzene	ND	0.053		mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Xylenes, Total	ND	0.11		mg/Kg	1	8/26/2021 2:04:00 PM	R80824
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	1	8/26/2021 2:04:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Roy SWD 3

Collection Date: 8/24/2021 2:23:00 PM

Lab ID: 2108E67-005

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	350	60		mg/Kg	20	8/26/2021 11:06:01 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	8/26/2021 4:41:23 PM	62204
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	8/26/2021 4:41:23 PM	62204
Surr: DNOP	131	70-130	S	%Rec	1	8/26/2021 4:41:23 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Surr: BFB	94.2	70-130		%Rec	1	8/26/2021 2:25:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.028		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Toluene	ND	0.057		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Ethylbenzene	ND	0.057		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Xylenes, Total	ND	0.11		mg/Kg	1	8/26/2021 2:25:00 PM	R80824
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	8/26/2021 2:25:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Roy SWD 3

Collection Date: 8/24/2021 2:27:00 PM

Lab ID: 2108E67-006

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	360	60		mg/Kg	20	8/26/2021 11:18:25 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	8/26/2021 3:55:20 PM	62204
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2021 3:55:20 PM	62204
Surr: DNOP	148	70-130	S	%Rec	1	8/26/2021 3:55:20 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	8/26/2021 2:45:00 PM	R80824
Surr: BFB	91.0	70-130		%Rec	1	8/26/2021 2:45:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.021		mg/Kg	1	8/26/2021 2:45:00 PM	R80824
Toluene	ND	0.041		mg/Kg	1	8/26/2021 2:45:00 PM	R80824
Ethylbenzene	ND	0.041		mg/Kg	1	8/26/2021 2:45:00 PM	R80824
Xylenes, Total	ND	0.083		mg/Kg	1	8/26/2021 2:45:00 PM	R80824
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	8/26/2021 2:45:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: N-1

Project: Roy SWD 3

Collection Date: 8/24/2021 11:30:00 AM

Lab ID: 2108E67-007

Matrix: MEOH (SOIL) **Received Date:** 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	430	60		mg/Kg	20	8/26/2021 11:30:49 AM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:05:12 PM	62204
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:05:12 PM	62204
Surr: DNOP	147	70-130	S	%Rec	1	8/26/2021 4:05:12 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/26/2021 3:05:00 PM	R80824
Surr: BFB	91.2	70-130		%Rec	1	8/26/2021 3:05:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.019		mg/Kg	1	8/26/2021 3:05:00 PM	R80824
Toluene	ND	0.038		mg/Kg	1	8/26/2021 3:05:00 PM	R80824
Ethylbenzene	ND	0.038		mg/Kg	1	8/26/2021 3:05:00 PM	R80824
Xylenes, Total	ND	0.077		mg/Kg	1	8/26/2021 3:05:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	8/26/2021 3:05:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NW-1

Project: Roy SWD 3

Collection Date: 8/24/2021 11:34:00 AM

Lab ID: 2108E67-008

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	270	60		mg/Kg	20	8/26/2021 12:08:02 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	8/26/2021 4:15:05 PM	62204
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	8/26/2021 4:15:05 PM	62204
Surr: DNOP	155	70-130	S	%Rec	1	8/26/2021 4:15:05 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	8/26/2021 3:25:00 PM	R80824
Surr: BFB	92.1	70-130		%Rec	1	8/26/2021 3:25:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	8/26/2021 3:25:00 PM	R80824
Toluene	ND	0.047		mg/Kg	1	8/26/2021 3:25:00 PM	R80824
Ethylbenzene	ND	0.047		mg/Kg	1	8/26/2021 3:25:00 PM	R80824
Xylenes, Total	ND	0.094		mg/Kg	1	8/26/2021 3:25:00 PM	R80824
Surr: 4-Bromofluorobenzene	81.0	70-130		%Rec	1	8/26/2021 3:25:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Roy SWD 3

Collection Date: 8/24/2021 1:50:00 PM

Lab ID: 2108E67-009

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	370	59		mg/Kg	20	8/26/2021 12:20:26 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:24:58 PM	62204
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:24:58 PM	62204
Surr: DNOP	152	70-130	S	%Rec	1	8/26/2021 4:24:58 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	8/26/2021 3:45:00 PM	R80824
Surr: BFB	88.4	70-130		%Rec	1	8/26/2021 3:45:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.019		mg/Kg	1	8/26/2021 3:45:00 PM	R80824
Toluene	ND	0.038		mg/Kg	1	8/26/2021 3:45:00 PM	R80824
Ethylbenzene	ND	0.038		mg/Kg	1	8/26/2021 3:45:00 PM	R80824
Xylenes, Total	ND	0.076		mg/Kg	1	8/26/2021 3:45:00 PM	R80824
Surr: 4-Bromofluorobenzene	78.3	70-130		%Rec	1	8/26/2021 3:45:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-1

Project: Roy SWD 3

Collection Date: 8/24/2021 1:53:00 PM

Lab ID: 2108E67-010

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	410	60		mg/Kg	20	8/26/2021 12:32:50 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 4:34:50 PM	62204
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 4:34:50 PM	62204
Surr: DNOP	146	70-130	S	%Rec	1	8/26/2021 4:34:50 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Surr: BFB	94.1	70-130		%Rec	1	8/26/2021 4:06:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.020		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Toluene	ND	0.040		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Ethylbenzene	ND	0.040		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Xylenes, Total	ND	0.080		mg/Kg	1	8/26/2021 4:06:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.2	70-130		%Rec	1	8/26/2021 4:06:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2108E67**

Date Reported: **8/30/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SW-2

Project: Roy SWD 3

Collection Date: 8/24/2021 1:55:00 PM

Lab ID: 2108E67-011

Matrix: MEOH (SOIL)

Received Date: 8/26/2021 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	540	60		mg/Kg	20	8/26/2021 12:45:15 PM	62208
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	8/26/2021 3:47:50 PM	62204
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	8/26/2021 3:47:50 PM	62204
Surr: DNOP	126	70-130		%Rec	1	8/26/2021 3:47:50 PM	62204
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Surr: BFB	90.3	70-130		%Rec	1	8/26/2021 4:26:00 PM	R80824
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.021		mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Toluene	ND	0.042		mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Ethylbenzene	ND	0.042		mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Xylenes, Total	ND	0.084		mg/Kg	1	8/26/2021 4:26:00 PM	R80824
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	8/26/2021 4:26:00 PM	R80824

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108E67

30-Aug-21

Client: EOG
Project: Roy SWD 3

Sample ID: MB-62208	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62208	RunNo: 80827								
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2852353	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62208	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62208	RunNo: 80827								
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2852354	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108E67

30-Aug-21

Client: EOG
Project: Roy SWD 3

Sample ID: MB-62203	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62203	RunNo: 80815								
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2851609	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	15		10.00		148	70	130			S

Sample ID: MB-62204	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62204	RunNo: 80814								
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2853083	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		109	70	130			

Sample ID: LCS-62204	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62204	RunNo: 80814								
Prep Date: 8/26/2021	Analysis Date: 8/26/2021	SeqNo: 2853084	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.4	68.9	141			
Surr: DNOP	4.8		5.000		97.0	70	130			

Sample ID: LCS-62203	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62203	RunNo: 80848								
Prep Date: 8/26/2021	Analysis Date: 8/27/2021	SeqNo: 2853731	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.7	68.9	141			
Surr: DNOP	5.1		5.000		101	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108E67

30-Aug-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb-32189	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R80824	RunNo: 80824								
Prep Date:	Analysis Date: 8/26/2021	SeqNo: 2852393	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.6	70	130			

Sample ID: ics-62189	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62189	RunNo: 80824								
Prep Date: 8/25/2021	Analysis Date: 8/26/2021	SeqNo: 2852394	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		101	70	130			

Sample ID: MB-Water	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: R80824	RunNo: 80824								
Prep Date:	Analysis Date: 8/26/2021	SeqNo: 2852480	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2108E67

30-Aug-21

Client: EOG
Project: Roy SWD 3

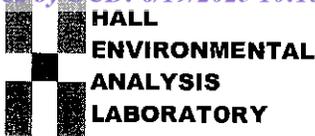
Sample ID: mb-32189	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: R80824		RunNo: 80824							
Prep Date:	Analysis Date: 8/26/2021		SeqNo: 2852421		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.79		1.000		79.0	70	130			

Sample ID: ics-62189	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 62189		RunNo: 80824							
Prep Date: 8/25/2021	Analysis Date: 8/26/2021		SeqNo: 2852422		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.79		1.000		79.1	70	130			

Sample ID: MB-Water	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: R80824		RunNo: 80824							
Prep Date:	Analysis Date: 8/26/2021		SeqNo: 2852482		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.0	70	130			

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Value above quantitation range |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix | |



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: **EOG** Work Order Number: **2108E67** RcptNo: **1**

Received By: **Cheyenne Cason** 8/26/2021 7:30:00 AM *CC*
Completed By: **Isaiah Ortiz** 8/26/2021 8:16:56 AM *IO*
Reviewed By: **KPC 8/26/21**

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Samples were collected the same day and chilled. Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:
 (<2 or >12 unless noted)
 Adjusted?
 Checked by: **JR 8/26/21**

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	8.7	Good	Not Present			
2	10.1	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 29, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2109B71

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 8 sample(s) on 9/22/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-SW-1

Project: Roy SWD 3

Collection Date: 9/21/2021 9:31:00 AM

Lab ID: 2109B71-001

Matrix: MEOH (SOIL) **Received Date:** 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	510	60		mg/Kg	20	9/22/2021 10:40:43 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	9/22/2021 11:42:04 AM	62736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/22/2021 11:42:04 AM	62736
Surr: DNOP	88.2	70-130		%Rec	1	9/22/2021 11:42:04 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	9/23/2021 11:34:36 AM	G81527
Surr: BFB	104	70-130		%Rec	1	9/23/2021 11:34:36 AM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Toluene	ND	0.037		mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Ethylbenzene	ND	0.037		mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Xylenes, Total	ND	0.074		mg/Kg	1	9/22/2021 11:51:01 AM	B81482
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	9/22/2021 11:51:01 AM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-EW-1

Project: Roy SWD 3

Collection Date: 9/21/2021 10:15:00 AM

Lab ID: 2109B71-002

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	520	60		mg/Kg	20	9/22/2021 10:53:07 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2021 11:54:23 AM	62736
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/22/2021 11:54:23 AM	62736
Surr: DNOP	76.7	70-130		%Rec	1	9/22/2021 11:54:23 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	9/23/2021 11:58:10 AM	G81527
Surr: BFB	103	70-130		%Rec	1	9/23/2021 11:58:10 AM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Toluene	ND	0.037		mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Ethylbenzene	ND	0.037		mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Xylenes, Total	ND	0.074		mg/Kg	1	9/22/2021 12:14:42 PM	B81482
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	9/22/2021 12:14:42 PM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-EW-2

Project: Roy SWD 3

Collection Date: 9/21/2021 10:05:00 AM

Lab ID: 2109B71-003

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	460	60		mg/Kg	20	9/22/2021 11:05:31 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2021 12:06:57 PM	62736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2021 12:06:57 PM	62736
Surr: DNOP	80.2	70-130		%Rec	1	9/22/2021 12:06:57 PM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	9/23/2021 12:21:39 PM	G81527
Surr: BFB	103	70-130		%Rec	1	9/23/2021 12:21:39 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/22/2021 12:38:09 PM	B81482
Toluene	ND	0.039		mg/Kg	1	9/22/2021 12:38:09 PM	B81482
Ethylbenzene	ND	0.039		mg/Kg	1	9/22/2021 12:38:09 PM	B81482
Xylenes, Total	ND	0.078		mg/Kg	1	9/22/2021 12:38:09 PM	B81482
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	9/22/2021 12:38:09 PM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order 2109B71

Date Reported: 9/29/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-WW-1

Project: Roy SWD 3

Collection Date: 9/21/2021 9:46:00 AM

Lab ID: 2109B71-004

Matrix: MEOH (SOIL) Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	820	59		mg/Kg	20	9/22/2021 11:17:56 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2021 12:19:18 PM	62736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2021 12:19:18 PM	62736
Surr: DNOP	78.9	70-130		%Rec	1	9/22/2021 12:19:18 PM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	9/23/2021 12:45:11 PM	G81527
Surr: BFB	104	70-130		%Rec	1	9/23/2021 12:45:11 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/22/2021 1:01:34 PM	B81482
Toluene	ND	0.040		mg/Kg	1	9/22/2021 1:01:34 PM	B81482
Ethylbenzene	ND	0.040		mg/Kg	1	9/22/2021 1:01:34 PM	B81482
Xylenes, Total	ND	0.080		mg/Kg	1	9/22/2021 1:01:34 PM	B81482
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	9/22/2021 1:01:34 PM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-WW-2

Project: Roy SWD 3

Collection Date: 9/21/2021 9:55:00 AM

Lab ID: 2109B71-005

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	640	60		mg/Kg	20	9/22/2021 11:30:21 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	9/23/2021 11:15:07 AM	62736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/23/2021 11:15:07 AM	62736
Surr: DNOP	92.1	70-130		%Rec	1	9/23/2021 11:15:07 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	9/23/2021 1:08:37 PM	G81527
Surr: BFB	103	70-130		%Rec	1	9/23/2021 1:08:37 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Toluene	ND	0.041		mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Ethylbenzene	ND	0.041		mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Xylenes, Total	ND	0.081		mg/Kg	1	9/23/2021 1:08:37 PM	B81527
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	9/23/2021 1:08:37 PM	B81527

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-NW-E

Project: Roy SWD 3

Collection Date: 9/21/2021 10:26:00 AM

Lab ID: 2109B71-006

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	490	61		mg/Kg	20	9/22/2021 12:07:34 PM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	9/23/2021 10:51:18 AM	62736
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/23/2021 10:51:18 AM	62736
Surr: DNOP	92.5	70-130		%Rec	1	9/23/2021 10:51:18 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	9/23/2021 1:32:18 PM	G81527
Surr: BFB	104	70-130		%Rec	1	9/23/2021 1:32:18 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Toluene	ND	0.037		mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Ethylbenzene	ND	0.037		mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Xylenes, Total	ND	0.075		mg/Kg	1	9/23/2021 1:32:18 PM	B81527
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	9/23/2021 1:32:18 PM	B81527

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-NW-W

Project: Roy SWD 3

Collection Date: 9/21/2021 10:30:00 AM

Lab ID: 2109B71-007

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	9/22/2021 12:19:59 PM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	9/22/2021 10:32:17 AM	62736
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2021 10:32:17 AM	62736
Surr: DNOP	91.8	70-130		%Rec	1	9/22/2021 10:32:17 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	9/23/2021 1:55:46 PM	G81527
Surr: BFB	105	70-130		%Rec	1	9/23/2021 1:55:46 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.018		mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Toluene	ND	0.035		mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Ethylbenzene	ND	0.035		mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Xylenes, Total	ND	0.071		mg/Kg	1	9/23/2021 1:55:46 PM	B81527
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	9/23/2021 1:55:46 PM	B81527

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B71**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-SW-N

Project: Roy SWD 3

Collection Date: 9/21/2021 10:33:00 AM

Lab ID: 2109B71-008

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	190	61		mg/Kg	20	9/22/2021 12:32:24 PM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/22/2021 10:56:11 AM	62736
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2021 10:56:11 AM	62736
Surr: DNOP	87.6	70-130		%Rec	1	9/22/2021 10:56:11 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	9/23/2021 2:19:17 PM	G81527
Surr: BFB	105	70-130		%Rec	1	9/23/2021 2:19:17 PM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Toluene	ND	0.040		mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Ethylbenzene	ND	0.040		mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Xylenes, Total	ND	0.080		mg/Kg	1	9/23/2021 2:19:17 PM	B81527
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	9/23/2021 2:19:17 PM	B81527

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B71

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: MB-62749	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62749	RunNo: 81465								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2879290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62749	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62749	RunNo: 81465								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2879291	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B71

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-62736	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62736	RunNo: 81472								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2878395	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			

Sample ID: MB-62736	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62736	RunNo: 81472								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2878420	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B71

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880274	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880275	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: mb-62766	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880290	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	70	130			

Sample ID: lcs-62766	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880291	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		115	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B71

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B81482	RunNo: 81482								
Prep Date:	Analysis Date: 9/22/2021	SeqNo: 2879097			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.6	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B81482	RunNo: 81482								
Prep Date:	Analysis Date: 9/22/2021	SeqNo: 2879102			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.5	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880318			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.9	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880319			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.9	80	120			
Toluene	1.0	0.050	1.000	0	101	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.3	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B71

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb-62766	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880326	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	70	130			

Sample ID: LCS-62766	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880327	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2109B71 RcptNo: 1

Received By: Cheyenne Cason 9/22/2021 7:10:00 AM
Completed By: Sean Livingston 9/22/2021 8:15:06 AM
Reviewed By: IO 9.22.21

Handwritten signatures: Cason, Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C? Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: JRA 9/22/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.1, Good, [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

September 29, 2021

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2109B70

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/22/2021 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2109B70**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: WH-1.A

Project: Roy SWD 3

Collection Date: 9/21/2021 8:58:00 AM

Lab ID: 2109B70-001

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	420	60		mg/Kg	20	9/22/2021 10:03:30 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	9/22/2021 11:04:30 AM	62736
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/22/2021 11:04:30 AM	62736
Surr: DNOP	90.9	70-130		%Rec	1	9/22/2021 11:04:30 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	9/23/2021 10:23:21 AM	G81527
Surr: BFB	106	70-130		%Rec	1	9/23/2021 10:23:21 AM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Toluene	ND	0.040		mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Ethylbenzene	ND	0.040		mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Xylenes, Total	ND	0.081		mg/Kg	1	9/22/2021 9:25:11 AM	B81482
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	9/22/2021 9:25:11 AM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B70**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-1.A

Project: Roy SWD 3

Collection Date: 9/21/2021 9:08:00 AM

Lab ID: 2109B70-002

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	500	61		mg/Kg	20	9/22/2021 10:15:54 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	9/22/2021 11:16:58 AM	62736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/22/2021 11:16:58 AM	62736
Surr: DNOP	104	70-130		%Rec	1	9/22/2021 11:16:58 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	9/23/2021 10:47:07 AM	G81527
Surr: BFB	104	70-130		%Rec	1	9/23/2021 10:47:07 AM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Toluene	ND	0.038		mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Ethylbenzene	ND	0.038		mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Xylenes, Total	ND	0.076		mg/Kg	1	9/22/2021 9:48:58 AM	B81482
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	9/22/2021 9:48:58 AM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order **2109B70**

Date Reported: **9/29/2021**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PH-1.A

Project: Roy SWD 3

Collection Date: 9/21/2021 9:14:00 AM

Lab ID: 2109B70-003

Matrix: MEOH (SOIL)

Received Date: 9/22/2021 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	170	60		mg/Kg	20	9/22/2021 10:28:18 AM	62749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	9/22/2021 11:29:24 AM	62736
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/22/2021 11:29:24 AM	62736
Surr: DNOP	85.4	70-130		%Rec	1	9/22/2021 11:29:24 AM	62736
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1		mg/Kg	1	9/23/2021 11:10:54 AM	G81527
Surr: BFB	104	70-130		%Rec	1	9/23/2021 11:10:54 AM	G81527
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.021		mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Toluene	ND	0.041		mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Ethylbenzene	ND	0.041		mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Xylenes, Total	ND	0.082		mg/Kg	1	9/22/2021 11:27:29 AM	B81482
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	9/22/2021 11:27:29 AM	B81482

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B70

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: MB-62749	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 62749	RunNo: 81465								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2879290	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-62749	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 62749	RunNo: 81465								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2879291	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B70

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-62736	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 62736	RunNo: 81472								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2878395	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.4	68.9	135			
Surr: DNOP	4.4		5.000		88.9	70	130			

Sample ID: MB-62736	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 62736	RunNo: 81472								
Prep Date: 9/22/2021	Analysis Date: 9/22/2021	SeqNo: 2878420	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.8	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B70

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880274	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G81527	RunNo: 81527								
Prep Date:	Analysis Date: 9/23/2021	SeqNo: 2880275	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		120	70	130			

Sample ID: mb-62766	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880290	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		102	70	130			

Sample ID: lcs-62766	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880291	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		115	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109B70

29-Sep-21

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: B81482	RunNo: 81482								
Prep Date:	Analysis Date: 9/22/2021	SeqNo: 2879097			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		89.6	70	130			

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: B81482	RunNo: 81482								
Prep Date:	Analysis Date: 9/22/2021	SeqNo: 2879102			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.5	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: mb-62766	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880326			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.90		1.000		89.5	70	130			

Sample ID: LCS-62766	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 62766	RunNo: 81527								
Prep Date: 9/22/2021	Analysis Date: 9/23/2021	SeqNo: 2880327			Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix
- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: clients.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2109B70 RcptNo: 1

Received By: Cheyenne Cason 9/22/2021 7:10:00 AM
Completed By: Sean Livingston 9/22/2021 8:01:14 AM
Reviewed By: [Signature] 9.22.21

[Handwritten signatures]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: JR 9/22/21

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 5.1, Good, [], [], [], []



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 11, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX

RE: Roy SWD3

OrderNo.: 2204063

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/2/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2204063**

Date Reported: **4/11/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-WF1

Project: Roy SWD3

Collection Date: 3/30/2022 3:24:00 PM

Lab ID: 2204063-001

Matrix: SOIL

Received Date: 4/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	490	60		mg/Kg	20	4/5/2022 4:06:44 PM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2022 11:30:39 AM	66612
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/5/2022 11:30:39 AM	66612
Surr: DNOP	134	51.1-141		%Rec	1	4/5/2022 11:30:39 AM	66612
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/2/2022 9:57:00 PM	A86939
Surr: BFB	97.8	37.7-212		%Rec	1	4/2/2022 9:57:00 PM	A86939
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.017		mg/Kg	1	4/2/2022 9:57:00 PM	C86939
Toluene	ND	0.034		mg/Kg	1	4/2/2022 9:57:00 PM	C86939
Ethylbenzene	ND	0.034		mg/Kg	1	4/2/2022 9:57:00 PM	C86939
Xylenes, Total	ND	0.067		mg/Kg	1	4/2/2022 9:57:00 PM	C86939
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	1	4/2/2022 9:57:00 PM	C86939

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204063**

Date Reported: **4/11/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-WF2

Project: Roy SWD3

Collection Date: 3/31/2022 9:47:00 AM

Lab ID: 2204063-002

Matrix: SOIL

Received Date: 4/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	320	60		mg/Kg	20	4/5/2022 4:19:09 PM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	4/5/2022 11:54:44 AM	66612
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2022 11:54:44 AM	66612
Surr: DNOP	119	51.1-141		%Rec	1	4/5/2022 11:54:44 AM	66612
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	4/2/2022 10:16:00 PM	A86939
Surr: BFB	94.4	37.7-212		%Rec	1	4/2/2022 10:16:00 PM	A86939
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.014		mg/Kg	1	4/2/2022 10:16:00 PM	C86939
Toluene	ND	0.028		mg/Kg	1	4/2/2022 10:16:00 PM	C86939
Ethylbenzene	ND	0.028		mg/Kg	1	4/2/2022 10:16:00 PM	C86939
Xylenes, Total	ND	0.057		mg/Kg	1	4/2/2022 10:16:00 PM	C86939
Surr: 4-Bromofluorobenzene	78.7	70-130		%Rec	1	4/2/2022 10:16:00 PM	C86939

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204063**

Date Reported: **4/11/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: PL-WF3

Project: Roy SWD3

Collection Date: 3/31/2022 9:49:00 AM

Lab ID: 2204063-003

Matrix: SOIL

Received Date: 4/2/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	350	60		mg/Kg	20	4/5/2022 4:31:33 PM	66637
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/5/2022 12:18:55 PM	66612
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/5/2022 12:18:55 PM	66612
Surr: DNOP	116	51.1-141		%Rec	1	4/5/2022 12:18:55 PM	66612
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	2.8		mg/Kg	1	4/2/2022 10:36:00 PM	A86939
Surr: BFB	99.1	37.7-212		%Rec	1	4/2/2022 10:36:00 PM	A86939
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.014		mg/Kg	1	4/2/2022 10:36:00 PM	C86939
Toluene	ND	0.028		mg/Kg	1	4/2/2022 10:36:00 PM	C86939
Ethylbenzene	ND	0.028		mg/Kg	1	4/2/2022 10:36:00 PM	C86939
Xylenes, Total	ND	0.057		mg/Kg	1	4/2/2022 10:36:00 PM	C86939
Surr: 4-Bromofluorobenzene	78.4	70-130		%Rec	1	4/2/2022 10:36:00 PM	C86939

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204063

11-Apr-22

Client: EOG
Project: Roy SWD3

Sample ID: MB-66637	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66637	RunNo: 86993								
Prep Date: 4/5/2022	Analysis Date: 4/5/2022	SeqNo: 3075207	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66637	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66637	RunNo: 86993								
Prep Date: 4/5/2022	Analysis Date: 4/5/2022	SeqNo: 3075208	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204063

11-Apr-22

Client: EOG
Project: Roy SWD3

Sample ID: MB-66612	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66612	RunNo: 86991								
Prep Date: 4/4/2022	Analysis Date: 4/5/2022	SeqNo: 3074090	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	26		10.00		256	51.1	141			S

Sample ID: LCS-66612	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66612	RunNo: 86991								
Prep Date: 4/4/2022	Analysis Date: 4/5/2022	SeqNo: 3074094	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	5.3		5.000		106	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204063

11-Apr-22

Client: EOG
Project: Roy SWD3

Sample ID: 2.5ug gro lcs	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: A86939		RunNo: 86939							
Prep Date:	Analysis Date: 4/2/2022		SeqNo: 3071760		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	114	72.3	137			
Surr: BFB	2200		1000		225	37.7	212			S

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: A86939		RunNo: 86939							
Prep Date:	Analysis Date: 4/2/2022		SeqNo: 3071761		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		105	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204063

11-Apr-22

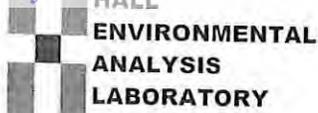
Client: EOG
Project: Roy SWD3

Sample ID: 100ng btex lcs	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: C86939	RunNo: 86939								
Prep Date:	Analysis Date: 4/2/2022	SeqNo: 3071804	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.93	0.050	1.000	0	92.9	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.2	70	130			

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: C86939	RunNo: 86939								
Prep Date:	Analysis Date: 4/2/2022	SeqNo: 3071805	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		85.9	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2204063

RcptNo: 1

Received By: Tracy Casarrubias 4/2/2022 8:00:00 AM
Completed By: Tracy Casarrubias 4/2/2022 11:30:32 AM
Reviewed By: [Signature] 04/02/2022

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)

Checked by: TMC 4/2/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 2 rows of data.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

April 15, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2204378

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 5 sample(s) on 4/8/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2204378**

Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NEF-1

Project: Roy SWD 3

Collection Date: 4/7/2022 11:13:00 AM

Lab ID: 2204378-001

Matrix: MEOH (SOIL)

Received Date: 4/8/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	570	61		mg/Kg	20	4/11/2022 11:24:37 AM	66749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	4/8/2022 12:25:40 PM	66727
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	4/8/2022 12:25:40 PM	66727
Surr: DNOP	93.0	51.1-141		%Rec	1	4/8/2022 12:25:40 PM	66727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	4/8/2022 10:34:51 AM	G87123
Surr: BFB	93.8	37.7-212		%Rec	1	4/8/2022 10:34:51 AM	G87123
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	4/8/2022 10:34:51 AM	B87123
Toluene	ND	0.038		mg/Kg	1	4/8/2022 10:34:51 AM	B87123
Ethylbenzene	ND	0.038		mg/Kg	1	4/8/2022 10:34:51 AM	B87123
Xylenes, Total	ND	0.076		mg/Kg	1	4/8/2022 10:34:51 AM	B87123
Surr: 4-Bromofluorobenzene	97.8	70-130		%Rec	1	4/8/2022 10:34:51 AM	B87123

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204378**

Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NWF-1

Project: Roy SWD 3

Collection Date: 4/7/2022 11:15:00 AM

Lab ID: 2204378-002

Matrix: MEOH (SOIL) **Received Date:** 4/8/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	420	59		mg/Kg	20	4/11/2022 11:37:02 AM	66749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	4/8/2022 12:36:10 PM	66727
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2022 12:36:10 PM	66727
Surr: DNOP	107	51.1-141		%Rec	1	4/8/2022 12:36:10 PM	66727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	4/8/2022 10:58:16 AM	G87123
Surr: BFB	98.3	37.7-212		%Rec	1	4/8/2022 10:58:16 AM	G87123
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.022		mg/Kg	1	4/8/2022 10:58:16 AM	B87123
Toluene	ND	0.045		mg/Kg	1	4/8/2022 10:58:16 AM	B87123
Ethylbenzene	ND	0.045		mg/Kg	1	4/8/2022 10:58:16 AM	B87123
Xylenes, Total	ND	0.090		mg/Kg	1	4/8/2022 10:58:16 AM	B87123
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	4/8/2022 10:58:16 AM	B87123

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204378**

Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SEF-1

Project: Roy SWD 3

Collection Date: 4/7/2022 11:23:00 AM

Lab ID: 2204378-003

Matrix: MEOH (SOIL)

Received Date: 4/8/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	91	60		mg/Kg	20	4/11/2022 11:49:26 AM	66749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	4/8/2022 12:46:42 PM	66727
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	4/8/2022 12:46:42 PM	66727
Surr: DNOP	109	51.1-141		%Rec	1	4/8/2022 12:46:42 PM	66727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.0		mg/Kg	1	4/8/2022 11:22:05 AM	G87123
Surr: BFB	98.4	37.7-212		%Rec	1	4/8/2022 11:22:05 AM	G87123
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.020		mg/Kg	1	4/8/2022 11:22:05 AM	B87123
Toluene	ND	0.040		mg/Kg	1	4/8/2022 11:22:05 AM	B87123
Ethylbenzene	ND	0.040		mg/Kg	1	4/8/2022 11:22:05 AM	B87123
Xylenes, Total	ND	0.080		mg/Kg	1	4/8/2022 11:22:05 AM	B87123
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	4/8/2022 11:22:05 AM	B87123

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204378**

Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SF-1

Project: Roy SWD 3

Collection Date: 4/7/2022 11:25:00 AM

Lab ID: 2204378-004

Matrix: MEOH (SOIL) **Received Date:** 4/8/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	59		mg/Kg	20	4/11/2022 12:01:51 PM	66749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	4/8/2022 12:57:14 PM	66727
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	4/8/2022 12:57:14 PM	66727
Surr: DNOP	104	51.1-141		%Rec	1	4/8/2022 12:57:14 PM	66727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	4/8/2022 11:45:45 AM	G87123
Surr: BFB	95.7	37.7-212		%Rec	1	4/8/2022 11:45:45 AM	G87123
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.017		mg/Kg	1	4/8/2022 11:45:45 AM	B87123
Toluene	ND	0.034		mg/Kg	1	4/8/2022 11:45:45 AM	B87123
Ethylbenzene	ND	0.034		mg/Kg	1	4/8/2022 11:45:45 AM	B87123
Xylenes, Total	ND	0.068		mg/Kg	1	4/8/2022 11:45:45 AM	B87123
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	4/8/2022 11:45:45 AM	B87123

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2204378**

Date Reported: **4/15/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: N-2

Project: Roy SWD 3

Collection Date: 4/7/2022 1:15:00 PM

Lab ID: 2204378-005

Matrix: MEOH (SOIL)

Received Date: 4/8/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	220	60		mg/Kg	20	4/11/2022 12:14:15 PM	66749
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	4/8/2022 1:07:47 PM	66727
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	4/8/2022 1:07:47 PM	66727
Surr: DNOP	82.1	51.1-141		%Rec	1	4/8/2022 1:07:47 PM	66727
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	4/8/2022 12:09:28 PM	G87123
Surr: BFB	91.2	37.7-212		%Rec	1	4/8/2022 12:09:28 PM	G87123
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.019		mg/Kg	1	4/8/2022 12:09:28 PM	B87123
Toluene	ND	0.037		mg/Kg	1	4/8/2022 12:09:28 PM	B87123
Ethylbenzene	ND	0.037		mg/Kg	1	4/8/2022 12:09:28 PM	B87123
Xylenes, Total	ND	0.074		mg/Kg	1	4/8/2022 12:09:28 PM	B87123
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	4/8/2022 12:09:28 PM	B87123

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204378

15-Apr-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-66749	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66749	RunNo: 87147								
Prep Date: 4/11/2022	Analysis Date: 4/11/2022	SeqNo: 3081676	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66749	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66749	RunNo: 87147								
Prep Date: 4/11/2022	Analysis Date: 4/11/2022	SeqNo: 3081677	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204378

15-Apr-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-66715	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66715	RunNo: 87125								
Prep Date: 4/7/2022	Analysis Date: 4/8/2022	SeqNo: 3080356	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	51.1	141			

Sample ID: MB-66727	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66727	RunNo: 87125								
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080357	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.2	51.1	141			

Sample ID: LCS-66715	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66715	RunNo: 87125								
Prep Date: 4/7/2022	Analysis Date: 4/8/2022	SeqNo: 3080358	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Sample ID: LCS-66727	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66727	RunNo: 87125								
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080359	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.6	68.9	135			
Surr: DNOP	4.3		5.000		86.4	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204378

15-Apr-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: G87123	RunNo: 87123								
Prep Date:	Analysis Date: 4/8/2022	SeqNo: 3080176	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.6	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: G87123	RunNo: 87123								
Prep Date:	Analysis Date: 4/8/2022	SeqNo: 3080177	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2100		1000		206	37.7	212			

Sample ID: mb-66697	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 66697	RunNo: 87123								
Prep Date: 4/7/2022	Analysis Date: 4/8/2022	SeqNo: 3080198	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	960		1000		95.5	37.7	212			

Sample ID: lcs-66697	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 66697	RunNo: 87123								
Prep Date: 4/7/2022	Analysis Date: 4/8/2022	SeqNo: 3080199	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100		1000		210	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2204378

15-Apr-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: B87123		RunNo: 87123							
Prep Date:	Analysis Date: 4/8/2022		SeqNo: 3080226		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	70	130			

Sample ID: 100ng btex lcs	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: B87123		RunNo: 87123							
Prep Date:	Analysis Date: 4/8/2022		SeqNo: 3080227		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.2	80	120			
Toluene	0.92	0.050	1.000	0	92.5	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: mb-66697	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 66697		RunNo: 87123							
Prep Date: 4/7/2022	Analysis Date: 4/8/2022		SeqNo: 3080241		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-66697	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 66697		RunNo: 87123							
Prep Date: 4/7/2022	Analysis Date: 4/8/2022		SeqNo: 3080242		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2204378 RptNo: 1

Received By: Cheyenne Cason 4/8/2022 7:45:00 AM

Completed By: Sean Livingston 4/8/2022 8:58:51 AM

Reviewed By: JN 4/8/22

Handwritten signatures: Cason, Sean Livingston

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
Adjusted?
Checked by: KPG 4/8/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: _____ Date: _____
By Whom: _____ Via: [] eMail [] Phone [] Fax [] In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 3.7, Good, [], [], []

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

Turn-Around Time:
 Standard Rush 24HR
 Project Name: Roy SWD #3
 Project #: 5375

Project Manager: W. Kierdorf
 Sampler: W. Kierdorf
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 4.0 - 0.3 = 3.7

QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: Az Compliance
 NELAC Other
 EDD (Type) Excel



HALL ENVIRONMENTAL ANALYSIS LABORATORY
 www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
1x 4oz Jar ICE	ICE	001	X	X	X
		002			
		003			
		004			
		005			

Remarks: Bill to EOG Artesia

Date: 4/7/22 Time: 1522
 Relinquished by: [Signature]
 Date: 4/7/22 Time: 1900
 Relinquished by: [Signature]

Received by: [Signature] Date: 4/7/22 Time: 1522
 Received by: [Signature] Date: 4/8/22 Time: 0749

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 02, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2205923

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 21 sample(s) on 5/20/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB1-23

Project: Roy SWD 3

Collection Date: 5/18/2022 8:37:00 AM

Lab ID: 2205923-001

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1400	60		mg/Kg	20	5/25/2022 7:29:55 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/23/2022 1:17:23 PM	67607
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/23/2022 1:17:23 PM	67607
Surr: DNOP	86.1	51.1-141		%Rec	1	5/23/2022 1:17:23 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022	67603
Surr: BFB	83.8	37.7-212		%Rec	1	5/24/2022	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022	67603
Xylenes, Total	ND	0.097		mg/Kg	1	5/24/2022	67603
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	5/24/2022	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB1-38

Project: Roy SWD 3

Collection Date: 5/18/2022 9:35:00 AM

Lab ID: 2205923-002

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	670	60		mg/Kg	20	5/25/2022 7:42:16 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/23/2022 1:41:05 PM	67607
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/23/2022 1:41:05 PM	67607
Surr: DNOP	82.3	51.1-141		%Rec	1	5/23/2022 1:41:05 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 12:40:00 AM	67603
Surr: BFB	90.9	37.7-212		%Rec	1	5/24/2022 12:40:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 12:40:00 AM	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022 12:40:00 AM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 12:40:00 AM	67603
Xylenes, Total	ND	0.095		mg/Kg	1	5/24/2022 12:40:00 AM	67603
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	5/24/2022 12:40:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB1-39

Project: Roy SWD 3

Collection Date: 5/18/2022 9:36:00 AM

Lab ID: 2205923-003

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	590	60		mg/Kg	20	5/25/2022 7:54:37 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/23/2022 2:04:55 PM	67607
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/23/2022 2:04:55 PM	67607
Surr: DNOP	82.4	51.1-141		%Rec	1	5/23/2022 2:04:55 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/24/2022 12:59:00 AM	67603
Surr: BFB	92.9	37.7-212		%Rec	1	5/24/2022 12:59:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 12:59:00 AM	67603
Toluene	ND	0.047		mg/Kg	1	5/24/2022 12:59:00 AM	67603
Ethylbenzene	ND	0.047		mg/Kg	1	5/24/2022 12:59:00 AM	67603
Xylenes, Total	ND	0.094		mg/Kg	1	5/24/2022 12:59:00 AM	67603
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	5/24/2022 12:59:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB1-40

Project: Roy SWD 3

Collection Date: 5/18/2022 9:37:00 AM

Lab ID: 2205923-004

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	260	61		mg/Kg	20	5/25/2022 8:06:57 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	5/23/2022 2:28:44 PM	67607
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/23/2022 2:28:44 PM	67607
Surr: DNOP	80.4	51.1-141		%Rec	1	5/23/2022 2:28:44 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 1:19:00 AM	67603
Surr: BFB	93.2	37.7-212		%Rec	1	5/24/2022 1:19:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 1:19:00 AM	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022 1:19:00 AM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 1:19:00 AM	67603
Xylenes, Total	ND	0.096		mg/Kg	1	5/24/2022 1:19:00 AM	67603
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/24/2022 1:19:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB2-29

Project: Roy SWD 3

Collection Date: 5/18/2022 10:49:00 AM

Lab ID: 2205923-005

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	5200	300		mg/Kg	100	5/26/2022 10:36:38 AM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/23/2022 2:52:34 PM	67607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/23/2022 2:52:34 PM	67607
Surr: DNOP	83.2	51.1-141		%Rec	1	5/23/2022 2:52:34 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	5/24/2022 1:39:00 AM	67603
Surr: BFB	94.5	37.7-212		%Rec	1	5/24/2022 1:39:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/24/2022 1:39:00 AM	67603
Toluene	ND	0.046		mg/Kg	1	5/24/2022 1:39:00 AM	67603
Ethylbenzene	ND	0.046		mg/Kg	1	5/24/2022 1:39:00 AM	67603
Xylenes, Total	ND	0.092		mg/Kg	1	5/24/2022 1:39:00 AM	67603
Surr: 4-Bromofluorobenzene	96.1	70-130		%Rec	1	5/24/2022 1:39:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB2-47

Project: Roy SWD 3

Collection Date: 5/18/2022 11:57:00 AM

Lab ID: 2205923-006

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	750	60		mg/Kg	20	5/25/2022 8:56:19 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	5/23/2022 3:16:20 PM	67607
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	5/23/2022 3:16:20 PM	67607
Surr: DNOP	85.5	51.1-141		%Rec	1	5/23/2022 3:16:20 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 1:58:00 AM	67603
Surr: BFB	91.4	37.7-212		%Rec	1	5/24/2022 1:58:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 1:58:00 AM	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022 1:58:00 AM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 1:58:00 AM	67603
Xylenes, Total	ND	0.096		mg/Kg	1	5/24/2022 1:58:00 AM	67603
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	5/24/2022 1:58:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB2-48

Project: Roy SWD 3

Collection Date: 5/18/2022 11:58:00 AM

Lab ID: 2205923-007

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	310	60		mg/Kg	20	5/25/2022 9:08:40 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/23/2022 3:40:20 PM	67607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/23/2022 3:40:20 PM	67607
Surr: DNOP	84.3	51.1-141		%Rec	1	5/23/2022 3:40:20 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 2:18:00 AM	67603
Surr: BFB	92.2	37.7-212		%Rec	1	5/24/2022 2:18:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 2:18:00 AM	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022 2:18:00 AM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 2:18:00 AM	67603
Xylenes, Total	ND	0.095		mg/Kg	1	5/24/2022 2:18:00 AM	67603
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	5/24/2022 2:18:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB2-49

Project: Roy SWD 3

Collection Date: 5/18/2022 11:59:00 AM

Lab ID: 2205923-008

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	300	60		mg/Kg	20	5/25/2022 9:21:00 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/23/2022 4:04:25 PM	67607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/23/2022 4:04:25 PM	67607
Surr: DNOP	81.5	51.1-141		%Rec	1	5/23/2022 4:04:25 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 2:38:00 AM	67603
Surr: BFB	95.7	37.7-212		%Rec	1	5/24/2022 2:38:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/24/2022 2:38:00 AM	67603
Toluene	ND	0.049		mg/Kg	1	5/24/2022 2:38:00 AM	67603
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 2:38:00 AM	67603
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 2:38:00 AM	67603
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	5/24/2022 2:38:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB2-50

Project: Roy SWD 3

Collection Date: 5/18/2022 12:00:00 PM

Lab ID: 2205923-009

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	500	60		mg/Kg	20	5/25/2022 9:33:21 PM	67690
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	5/23/2022 4:28:29 PM	67607
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/23/2022 4:28:29 PM	67607
Surr: DNOP	83.7	51.1-141		%Rec	1	5/23/2022 4:28:29 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 2:58:00 AM	67603
Surr: BFB	101	37.7-212		%Rec	1	5/24/2022 2:58:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/24/2022 2:58:00 AM	67603
Toluene	ND	0.049		mg/Kg	1	5/24/2022 2:58:00 AM	67603
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 2:58:00 AM	67603
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 2:58:00 AM	67603
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	5/24/2022 2:58:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB3-4

Project: Roy SWD 3

Collection Date: 5/18/2022 1:04:00 PM

Lab ID: 2205923-010

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	130	60		mg/Kg	20	5/25/2022 10:35:03 PM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/23/2022 4:52:34 PM	67607
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/23/2022 4:52:34 PM	67607
Surr: DNOP	87.9	51.1-141		%Rec	1	5/23/2022 4:52:34 PM	67607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 3:17:00 AM	67603
Surr: BFB	97.3	37.7-212		%Rec	1	5/24/2022 3:17:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/24/2022 3:17:00 AM	67603
Toluene	ND	0.048		mg/Kg	1	5/24/2022 3:17:00 AM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 3:17:00 AM	67603
Xylenes, Total	ND	0.096		mg/Kg	1	5/24/2022 3:17:00 AM	67603
Surr: 4-Bromofluorobenzene	99.1	70-130		%Rec	1	5/24/2022 3:17:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB3-14

Project: Roy SWD 3

Collection Date: 5/18/2022 1:14:00 PM

Lab ID: 2205923-011

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/25/2022 10:47:24 PM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/26/2022 1:40:05 AM	67669
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/26/2022 1:40:05 AM	67669
Surr: DNOP	96.5	51.1-141		%Rec	1	5/26/2022 1:40:05 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/24/2022 3:37:00 AM	67603
Surr: BFB	92.9	37.7-212		%Rec	1	5/24/2022 3:37:00 AM	67603
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/24/2022 3:37:00 AM	67603
Toluene	ND	0.047		mg/Kg	1	5/24/2022 3:37:00 AM	67603
Ethylbenzene	ND	0.047		mg/Kg	1	5/24/2022 3:37:00 AM	67603
Xylenes, Total	ND	0.094		mg/Kg	1	5/24/2022 3:37:00 AM	67603
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	5/24/2022 3:37:00 AM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB3-29

Project: Roy SWD 3

Collection Date: 5/18/2022 1:31:00 PM

Lab ID: 2205923-012

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	63	60		mg/Kg	20	5/25/2022 11:24:26 PM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/26/2022 2:53:17 AM	67669
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/26/2022 2:53:17 AM	67669
Surr: DNOP	93.8	51.1-141		%Rec	1	5/26/2022 2:53:17 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 9:40:57 PM	67605
Surr: BFB	90.7	37.7-212		%Rec	1	5/23/2022 9:40:57 PM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/23/2022 9:40:57 PM	67605
Toluene	ND	0.049		mg/Kg	1	5/23/2022 9:40:57 PM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 9:40:57 PM	67605
Xylenes, Total	ND	0.099		mg/Kg	1	5/23/2022 9:40:57 PM	67605
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/23/2022 9:40:57 PM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB3-30

Project: Roy SWD 3

Collection Date: 5/18/2022 1:32:00 PM

Lab ID: 2205923-013

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/25/2022 11:36:46 PM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/26/2022 3:17:42 AM	67669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/26/2022 3:17:42 AM	67669
Surr: DNOP	91.1	51.1-141		%Rec	1	5/26/2022 3:17:42 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 10:51:34 PM	67605
Surr: BFB	92.4	37.7-212		%Rec	1	5/23/2022 10:51:34 PM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/23/2022 10:51:34 PM	67605
Toluene	ND	0.049		mg/Kg	1	5/23/2022 10:51:34 PM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 10:51:34 PM	67605
Xylenes, Total	ND	0.098		mg/Kg	1	5/23/2022 10:51:34 PM	67605
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	5/23/2022 10:51:34 PM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB4-10

Project: Roy SWD 3

Collection Date: 5/19/2022 7:40:00 AM

Lab ID: 2205923-014

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1300	59		mg/Kg	20	5/25/2022 11:49:07 PM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/26/2022 4:06:15 AM	67669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/26/2022 4:06:15 AM	67669
Surr: DNOP	96.6	51.1-141		%Rec	1	5/26/2022 4:06:15 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/24/2022 12:02:08 AM	67605
Surr: BFB	89.7	37.7-212		%Rec	1	5/24/2022 12:02:08 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/24/2022 12:02:08 AM	67605
Toluene	ND	0.050		mg/Kg	1	5/24/2022 12:02:08 AM	67605
Ethylbenzene	ND	0.050		mg/Kg	1	5/24/2022 12:02:08 AM	67605
Xylenes, Total	ND	0.10		mg/Kg	1	5/24/2022 12:02:08 AM	67605
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	5/24/2022 12:02:08 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB4-15

Project: Roy SWD 3

Collection Date: 5/19/2022 7:45:00 AM

Lab ID: 2205923-015

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	890	60		mg/Kg	20	5/26/2022 12:01:28 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/26/2022 4:30:33 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 4:30:33 AM	67669
Surr: DNOP	97.9	51.1-141		%Rec	1	5/26/2022 4:30:33 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 12:25:48 AM	67605
Surr: BFB	92.3	37.7-212		%Rec	1	5/24/2022 12:25:48 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 12:25:48 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 12:25:48 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 12:25:48 AM	67605
Xylenes, Total	ND	0.097		mg/Kg	1	5/24/2022 12:25:48 AM	67605
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	5/24/2022 12:25:48 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB4-20

Project: Roy SWD 3

Collection Date: 5/19/2022 7:50:00 AM

Lab ID: 2205923-016

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	250	59		mg/Kg	20	5/26/2022 12:13:48 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/26/2022 4:54:48 AM	67669
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/26/2022 4:54:48 AM	67669
Surr: DNOP	97.4	51.1-141		%Rec	1	5/26/2022 4:54:48 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 12:49:23 AM	67605
Surr: BFB	89.7	37.7-212		%Rec	1	5/24/2022 12:49:23 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 12:49:23 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 12:49:23 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 12:49:23 AM	67605
Xylenes, Total	ND	0.097		mg/Kg	1	5/24/2022 12:49:23 AM	67605
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	5/24/2022 12:49:23 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB4-30

Project: Roy SWD 3

Collection Date: 5/19/2022 8:00:00 AM

Lab ID: 2205923-017

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	5/26/2022 12:26:09 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/26/2022 5:18:59 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 5:18:59 AM	67669
Surr: DNOP	95.4	51.1-141		%Rec	1	5/26/2022 5:18:59 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/24/2022 1:13:03 AM	67605
Surr: BFB	89.4	37.7-212		%Rec	1	5/24/2022 1:13:03 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/24/2022 1:13:03 AM	67605
Toluene	ND	0.050		mg/Kg	1	5/24/2022 1:13:03 AM	67605
Ethylbenzene	ND	0.050		mg/Kg	1	5/24/2022 1:13:03 AM	67605
Xylenes, Total	ND	0.10		mg/Kg	1	5/24/2022 1:13:03 AM	67605
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/24/2022 1:13:03 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB5-26

Project: Roy SWD 3

Collection Date: 5/19/2022 8:46:00 AM

Lab ID: 2205923-018

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	4300	150		mg/Kg	50	5/26/2022 10:48:58 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/26/2022 5:43:08 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 5:43:08 AM	67669
Surr: DNOP	97.8	51.1-141		%Rec	1	5/26/2022 5:43:08 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 1:36:44 AM	67605
Surr: BFB	91.6	37.7-212		%Rec	1	5/24/2022 1:36:44 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 1:36:44 AM	67605
Toluene	ND	0.048		mg/Kg	1	5/24/2022 1:36:44 AM	67605
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 1:36:44 AM	67605
Xylenes, Total	ND	0.095		mg/Kg	1	5/24/2022 1:36:44 AM	67605
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	5/24/2022 1:36:44 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB5-38

Project: Roy SWD 3

Collection Date: 5/19/2022 9:20:00 AM

Lab ID: 2205923-019

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1100	60		mg/Kg	20	5/26/2022 12:50:51 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/26/2022 6:07:01 AM	67669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/26/2022 6:07:01 AM	67669
Surr: DNOP	100	51.1-141		%Rec	1	5/26/2022 6:07:01 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 2:00:25 AM	67605
Surr: BFB	92.6	37.7-212		%Rec	1	5/24/2022 2:00:25 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/24/2022 2:00:25 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 2:00:25 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 2:00:25 AM	67605
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 2:00:25 AM	67605
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	5/24/2022 2:00:25 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB5-39

Project: Roy SWD 3

Collection Date: 5/19/2022 9:21:00 AM

Lab ID: 2205923-020

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	420	60		mg/Kg	20	5/26/2022 1:03:12 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/26/2022 6:30:56 AM	67669
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/26/2022 6:30:56 AM	67669
Surr: DNOP	100	51.1-141		%Rec	1	5/26/2022 6:30:56 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/24/2022 3:11:22 AM	67605
Surr: BFB	94.6	37.7-212		%Rec	1	5/24/2022 3:11:22 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 3:11:22 AM	67605
Toluene	ND	0.048		mg/Kg	1	5/24/2022 3:11:22 AM	67605
Ethylbenzene	ND	0.048		mg/Kg	1	5/24/2022 3:11:22 AM	67605
Xylenes, Total	ND	0.095		mg/Kg	1	5/24/2022 3:11:22 AM	67605
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	5/24/2022 3:11:22 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2205923**

Date Reported: **6/2/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: SB5-40

Project: Roy SWD 3

Collection Date: 5/19/2022 9:22:00 AM

Lab ID: 2205923-021

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	380	60		mg/Kg	20	5/26/2022 1:15:33 AM	67699
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: ED
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/26/2022 6:54:55 AM	67669
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/26/2022 6:54:55 AM	67669
Surr: DNOP	101	51.1-141		%Rec	1	5/26/2022 6:54:55 AM	67669
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/24/2022 3:35:01 AM	67605
Surr: BFB	91.2	37.7-212		%Rec	1	5/24/2022 3:35:01 AM	67605
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/24/2022 3:35:01 AM	67605
Toluene	ND	0.049		mg/Kg	1	5/24/2022 3:35:01 AM	67605
Ethylbenzene	ND	0.049		mg/Kg	1	5/24/2022 3:35:01 AM	67605
Xylenes, Total	ND	0.098		mg/Kg	1	5/24/2022 3:35:01 AM	67605
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/24/2022 3:35:01 AM	67605

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-67690	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 67690	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3130981	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-67690	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 67690	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3130982	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Sample ID: LCS-67699	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 67699	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3131011	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: MB-67699	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 67699	RunNo: 88285								
Prep Date: 5/25/2022	Analysis Date: 5/25/2022	SeqNo: 3131012	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-67607	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67607		RunNo: 88200							
Prep Date: 5/20/2022	Analysis Date: 5/23/2022		SeqNo: 3127567				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	116	64.4	127			
Surr: DNOP	6.4		5.000		127	51.1	141			

Sample ID: MB-67607	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 67607		RunNo: 88200							
Prep Date: 5/20/2022	Analysis Date: 5/23/2022		SeqNo: 3127570				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		132	51.1	141			

Sample ID: MB-67669	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 67669		RunNo: 88246							
Prep Date: 5/24/2022	Analysis Date: 5/26/2022		SeqNo: 3131392				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.1	51.1	141			

Sample ID: LCS-67669	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67669		RunNo: 88246							
Prep Date: 5/24/2022	Analysis Date: 5/26/2022		SeqNo: 3131393				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	64.4	127			
Surr: DNOP	4.8		5.000		95.9	51.1	141			

Sample ID: MB-67666	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 67666		RunNo: 88263							
Prep Date: 5/24/2022	Analysis Date: 5/26/2022		SeqNo: 3131422				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-67666	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67666		RunNo: 88263							
Prep Date: 5/24/2022	Analysis Date: 5/26/2022		SeqNo: 3131423				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.4		5.000		108	51.1	141			

Sample ID: MB-67680	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 67680		RunNo: 88246							
Prep Date: 5/25/2022	Analysis Date: 5/26/2022		SeqNo: 3132682				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.1	51.1	141			

Sample ID: LCS-67680	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 67680		RunNo: 88246							
Prep Date: 5/25/2022	Analysis Date: 5/26/2022		SeqNo: 3132685				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-67605	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/24/2022	SeqNo: 3126958	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.8	37.7	212			

Sample ID: lcs-67605	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3126959	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: lcs-67603	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67603	RunNo: 88207								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127053	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.1	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: mb-67603	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67603	RunNo: 88207								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127054	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.5	37.7	212			

Sample ID: lcs-67637	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128820	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		202	37.7	212			

Sample ID: mb-67637	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128821	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	930		1000		93.2	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-67605	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/24/2022	SeqNo: 3127001	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	70	130			

Sample ID: LCS-67605	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 67605	RunNo: 88206								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127002	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.3	80	120			
Toluene	0.92	0.050	1.000	0	92.3	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.6	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: lcs-67603	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 67603	RunNo: 88207								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127099	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

Sample ID: mb-67603	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 67603	RunNo: 88207								
Prep Date: 5/20/2022	Analysis Date: 5/23/2022	SeqNo: 3127100	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205923

02-Jun-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-67637	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128876	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.0	70	130			

Sample ID: mb-67637	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 67637	RunNo: 88236								
Prep Date: 5/23/2022	Analysis Date: 5/24/2022	SeqNo: 3128877	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2205923

RcptNo: 1

Received By: Juan Rojas

5/20/2022 7:05:00 AM

[Signature]

Completed By: Juan Rojas

5/20/2022 7:36:50 AM

[Signature]

Reviewed By: [Signature]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0° C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature]

Special Handling (if applicable)

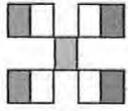
- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.5, Good, [], [], [], []



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Turn-Around Time: Standard Rush 5 Day

Project Name: Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: W. Kennedy

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.6-0.1-1.5

Container Type and #	Preservative Type	HEAL No.
1 Yoovar Ice	Ice	2205923
		-001
		-002
		-003
		-004
		-005
		-006
		-007
		-008
		-009
		-010
		-011
		-012

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance NELAC Other

EDD (Type) Excel

Date	Time	Matrix	Sample Name
5/19/22	0837	Soil	SB1-23
	0935		SB1-38
	0936		SB1-39
	0937		SB1-40
	1049		SB2-29
	1157		SB2-47
	1158		SB2-48
	1159		SB2-49
	1200		SB2-50
	1304		SB3-4
	1314		SB3-14
	1331		SB3-29

Received by: W. Kennedy Date: 5/19/22 12:15

Received by: W. Kennedy Date: 5/20/22 7:05

Relinquished by: W. Kennedy Date: 5/19/22 12:15

Relinquished by: W. Kennedy Date: 5/19/22 19:00

206 Erin 5/20/22

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Remarks: Bill to EOG Artesia

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env
 Mailing Address: EOG-105 S 4th St, Artesia, NM, 88210 / Ranger: PO Box 201179, Austin, TX 78720
 Phone #: 521-335-1785
 email or Fax#: W:ll@ranger-env.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance NELAC Other
 EDD (Type) _____

Turn-Around Time: Standard Rush 5 Day
 Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: W. Kennedy
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 1-6.0-1-1.5 (°C)

Container Type and # 1 4oz Jar
 Preservative Type Ice
 HEAL No. 2205923
 Date 5/12/22 Time 1332 Matrix Soil Sample Name SB3-30
 Date 5/12/22 Time 0740 Matrix Soil Sample Name SB4-10
 Date 5/12/22 Time 0745 Matrix Soil Sample Name SB4-15
 Date 5/12/22 Time 0750 Matrix Soil Sample Name SB4-20
 Date 5/12/22 Time 0800 Matrix Soil Sample Name SB4-30
 Date 5/12/22 Time 0846 Matrix Soil Sample Name SB5-26
 Date 5/12/22 Time 0920 Matrix Soil Sample Name SB5-38
 Date 5/12/22 Time 0921 Matrix Soil Sample Name SB5-39
 Date 5/12/22 Time 0922 Matrix Soil Sample Name SB5-40

Received by: W. Kennedy Date 5/12/22 Time 1215
 Relinquished by: W. Kennedy
 Received by: Pat Carter Date 5/20/22 Time 7:05
 Relinquished by: W. Kennedy

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
 4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX / MTBE / TMB's (8021)	X
TPH:8015D(GRO / DRG / MRO)	X
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	X
Chloride (EPA 300)	X

Remarks: B:11 to EOG-Artesia



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 13, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2209E05

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 32 sample(s) on 9/27/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued October 07, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Roy SWD 3

Collection Date: 9/23/2022 2:00:00 PM

Lab ID: 2209E05-001

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	390	60		mg/Kg	20	10/1/2022 2:10:43 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 3:42:34 AM	70443
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/30/2022 3:42:34 AM	70443
Surr: DNOP	107	21-129		%Rec	1	9/30/2022 3:42:34 AM	70443
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2022 8:13:32 PM	70438
Surr: BFB	94.1	37.7-212		%Rec	1	9/28/2022 8:13:32 PM	70438
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/28/2022 8:13:32 PM	70438
Toluene	ND	0.049		mg/Kg	1	9/28/2022 8:13:32 PM	70438
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2022 8:13:32 PM	70438
Xylenes, Total	ND	0.099		mg/Kg	1	9/28/2022 8:13:32 PM	70438
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/28/2022 8:13:32 PM	70438

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Roy SWD 3

Collection Date: 9/23/2022 2:02:00 PM

Lab ID: 2209E05-002

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	61		mg/Kg	20	10/1/2022 2:47:56 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 3:53:15 AM	70443
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 3:53:15 AM	70443
Surr: DNOP	95.6	21-129		%Rec	1	9/30/2022 3:53:15 AM	70443
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/28/2022 8:36:52 PM	70438
Surr: BFB	93.3	37.7-212		%Rec	1	9/28/2022 8:36:52 PM	70438
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/28/2022 8:36:52 PM	70438
Toluene	ND	0.050		mg/Kg	1	9/28/2022 8:36:52 PM	70438
Ethylbenzene	ND	0.050		mg/Kg	1	9/28/2022 8:36:52 PM	70438
Xylenes, Total	ND	0.10		mg/Kg	1	9/28/2022 8:36:52 PM	70438
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/28/2022 8:36:52 PM	70438

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Roy SWD 3

Collection Date: 9/23/2022 2:04:00 PM

Lab ID: 2209E05-003

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	10/1/2022 3:00:21 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 4:03:53 AM	70443
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 4:03:53 AM	70443
Surr: DNOP	91.8	21-129		%Rec	1	9/30/2022 4:03:53 AM	70443
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/28/2022 9:00:20 PM	70438
Surr: BFB	94.2	37.7-212		%Rec	1	9/28/2022 9:00:20 PM	70438
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/28/2022 9:00:20 PM	70438
Toluene	ND	0.050		mg/Kg	1	9/28/2022 9:00:20 PM	70438
Ethylbenzene	ND	0.050		mg/Kg	1	9/28/2022 9:00:20 PM	70438
Xylenes, Total	ND	0.10		mg/Kg	1	9/28/2022 9:00:20 PM	70438
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	9/28/2022 9:00:20 PM	70438

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Roy SWD 3

Collection Date: 9/23/2022 2:06:00 PM

Lab ID: 2209E05-004

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	10/1/2022 3:12:46 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 4:14:31 AM	70443
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2022 4:14:31 AM	70443
Surr: DNOP	87.6	21-129		%Rec	1	9/30/2022 4:14:31 AM	70443
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/28/2022 9:23:45 PM	70438
Surr: BFB	92.6	37.7-212		%Rec	1	9/28/2022 9:23:45 PM	70438
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/28/2022 9:23:45 PM	70438
Toluene	ND	0.048		mg/Kg	1	9/28/2022 9:23:45 PM	70438
Ethylbenzene	ND	0.048		mg/Kg	1	9/28/2022 9:23:45 PM	70438
Xylenes, Total	ND	0.097		mg/Kg	1	9/28/2022 9:23:45 PM	70438
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	9/28/2022 9:23:45 PM	70438

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Roy SWD 3

Collection Date: 9/23/2022 2:08:00 PM

Lab ID: 2209E05-005

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	10/1/2022 3:25:11 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 4:25:09 AM	70443
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2022 4:25:09 AM	70443
Surr: DNOP	87.8	21-129		%Rec	1	9/30/2022 4:25:09 AM	70443
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2022 9:47:18 PM	70438
Surr: BFB	91.3	37.7-212		%Rec	1	9/28/2022 9:47:18 PM	70438
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	9/28/2022 9:47:18 PM	70438
Toluene	ND	0.049		mg/Kg	1	9/28/2022 9:47:18 PM	70438
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2022 9:47:18 PM	70438
Xylenes, Total	ND	0.099		mg/Kg	1	9/28/2022 9:47:18 PM	70438
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	9/28/2022 9:47:18 PM	70438

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Roy SWD 3

Collection Date: 9/23/2022 2:10:00 PM

Lab ID: 2209E05-006

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	950	60		mg/Kg	20	10/1/2022 3:37:36 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 12:43:05 AM	70446
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2022 12:43:05 AM	70446
Surr: DNOP	112	21-129		%Rec	1	9/30/2022 12:43:05 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2022 10:41:00 PM	70439
Surr: BFB	104	37.7-212		%Rec	1	9/28/2022 10:41:00 PM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/28/2022 10:41:00 PM	70439
Toluene	ND	0.049		mg/Kg	1	9/28/2022 10:41:00 PM	70439
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2022 10:41:00 PM	70439
Xylenes, Total	ND	0.097		mg/Kg	1	9/28/2022 10:41:00 PM	70439
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	9/28/2022 10:41:00 PM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Roy SWD 3

Collection Date: 9/23/2022 2:12:00 PM

Lab ID: 2209E05-007

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	470	60		mg/Kg	20	10/1/2022 3:50:01 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 1:26:49 AM	70446
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/30/2022 1:26:49 AM	70446
Surr: DNOP	105	21-129		%Rec	1	9/30/2022 1:26:49 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/28/2022 11:40:00 PM	70439
Surr: BFB	111	37.7-212		%Rec	1	9/28/2022 11:40:00 PM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/28/2022 11:40:00 PM	70439
Toluene	ND	0.049		mg/Kg	1	9/28/2022 11:40:00 PM	70439
Ethylbenzene	ND	0.049		mg/Kg	1	9/28/2022 11:40:00 PM	70439
Xylenes, Total	ND	0.098		mg/Kg	1	9/28/2022 11:40:00 PM	70439
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	9/28/2022 11:40:00 PM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Roy SWD 3

Collection Date: 9/23/2022 2:14:00 PM

Lab ID: 2209E05-008

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	10/1/2022 4:27:14 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 1:41:15 AM	70446
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/30/2022 1:41:15 AM	70446
Surr: DNOP	107	21-129		%Rec	1	9/30/2022 1:41:15 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/29/2022 12:39:00 AM	70439
Surr: BFB	106	37.7-212		%Rec	1	9/29/2022 12:39:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 12:39:00 AM	70439
Toluene	ND	0.049		mg/Kg	1	9/29/2022 12:39:00 AM	70439
Ethylbenzene	ND	0.049		mg/Kg	1	9/29/2022 12:39:00 AM	70439
Xylenes, Total	ND	0.098		mg/Kg	1	9/29/2022 12:39:00 AM	70439
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	9/29/2022 12:39:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Roy SWD 3

Collection Date: 9/23/2022 2:16:00 PM

Lab ID: 2209E05-009

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	10/1/2022 4:39:38 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 1:55:41 AM	70446
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 1:55:41 AM	70446
Surr: DNOP	75.5	21-129		%Rec	1	9/30/2022 1:55:41 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2022 12:59:00 AM	70439
Surr: BFB	101	37.7-212		%Rec	1	9/29/2022 12:59:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	9/29/2022 12:59:00 AM	70439
Toluene	ND	0.046		mg/Kg	1	9/29/2022 12:59:00 AM	70439
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2022 12:59:00 AM	70439
Xylenes, Total	ND	0.093		mg/Kg	1	9/29/2022 12:59:00 AM	70439
Surr: 4-Bromofluorobenzene	92.6	70-130		%Rec	1	9/29/2022 12:59:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Roy SWD 3

Collection Date: 9/23/2022 2:18:00 PM

Lab ID: 2209E05-010

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	10/1/2022 4:52:03 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 2:10:07 AM	70446
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/30/2022 2:10:07 AM	70446
Surr: DNOP	85.9	21-129		%Rec	1	9/30/2022 2:10:07 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 1:18:00 AM	70439
Surr: BFB	103	37.7-212		%Rec	1	9/29/2022 1:18:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 1:18:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 1:18:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 1:18:00 AM	70439
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2022 1:18:00 AM	70439
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	9/29/2022 1:18:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Roy SWD 3

Collection Date: 9/23/2022 2:20:00 PM

Lab ID: 2209E05-011

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	680	60		mg/Kg	20	10/1/2022 5:04:28 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 2:24:31 AM	70446
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/30/2022 2:24:31 AM	70446
Surr: DNOP	99.0	21-129		%Rec	1	9/30/2022 2:24:31 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 1:38:00 AM	70439
Surr: BFB	100	37.7-212		%Rec	1	9/29/2022 1:38:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 1:38:00 AM	70439
Toluene	ND	0.047		mg/Kg	1	9/29/2022 1:38:00 AM	70439
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 1:38:00 AM	70439
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2022 1:38:00 AM	70439
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	9/29/2022 1:38:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Roy SWD 3

Collection Date: 9/23/2022 2:22:00 PM

Lab ID: 2209E05-012

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	860	60		mg/Kg	20	10/1/2022 5:16:53 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 2:38:51 AM	70446
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/30/2022 2:38:51 AM	70446
Surr: DNOP	70.8	21-129		%Rec	1	9/30/2022 2:38:51 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2022 1:57:00 AM	70439
Surr: BFB	103	37.7-212		%Rec	1	9/29/2022 1:57:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 1:57:00 AM	70439
Toluene	ND	0.050		mg/Kg	1	9/29/2022 1:57:00 AM	70439
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2022 1:57:00 AM	70439
Xylenes, Total	ND	0.099		mg/Kg	1	9/29/2022 1:57:00 AM	70439
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	9/29/2022 1:57:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Roy SWD 3

Collection Date: 9/23/2022 2:24:00 PM

Lab ID: 2209E05-013

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	630	60		mg/Kg	20	10/1/2022 5:29:18 PM	70532
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 2:53:15 AM	70446
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/30/2022 2:53:15 AM	70446
Surr: DNOP	87.9	21-129		%Rec	1	9/30/2022 2:53:15 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2022 2:17:00 AM	70439
Surr: BFB	107	37.7-212		%Rec	1	9/29/2022 2:17:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 2:17:00 AM	70439
Toluene	ND	0.050		mg/Kg	1	9/29/2022 2:17:00 AM	70439
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2022 2:17:00 AM	70439
Xylenes, Total	ND	0.099		mg/Kg	1	9/29/2022 2:17:00 AM	70439
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	9/29/2022 2:17:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14

Project: Roy SWD 3

Collection Date: 9/23/2022 2:26:00 PM

Lab ID: 2209E05-014

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	650	60		mg/Kg	20	10/3/2022 9:25:41 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 3:07:32 AM	70446
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/30/2022 3:07:32 AM	70446
Surr: DNOP	80.3	21-129		%Rec	1	9/30/2022 3:07:32 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 2:37:00 AM	70439
Surr: BFB	108	37.7-212		%Rec	1	9/29/2022 2:37:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 2:37:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 2:37:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 2:37:00 AM	70439
Xylenes, Total	ND	0.096		mg/Kg	1	9/29/2022 2:37:00 AM	70439
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	9/29/2022 2:37:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15

Project: Roy SWD 3

Collection Date: 9/23/2022 2:28:00 PM

Lab ID: 2209E05-015

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	61		mg/Kg	20	10/3/2022 10:02:55 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 3:21:42 AM	70446
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/30/2022 3:21:42 AM	70446
Surr: DNOP	80.3	21-129		%Rec	1	9/30/2022 3:21:42 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2022 2:56:00 AM	70439
Surr: BFB	108	37.7-212		%Rec	1	9/29/2022 2:56:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 2:56:00 AM	70439
Toluene	ND	0.050		mg/Kg	1	9/29/2022 2:56:00 AM	70439
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2022 2:56:00 AM	70439
Xylenes, Total	ND	0.10		mg/Kg	1	9/29/2022 2:56:00 AM	70439
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	9/29/2022 2:56:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16

Project: Roy SWD 3

Collection Date: 9/23/2022 2:30:00 PM

Lab ID: 2209E05-016

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	570	60		mg/Kg	20	10/3/2022 10:15:19 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 3:35:59 AM	70446
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 3:35:59 AM	70446
Surr: DNOP	75.9	21-129		%Rec	1	9/30/2022 3:35:59 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 3:36:00 AM	70439
Surr: BFB	104	37.7-212		%Rec	1	9/29/2022 3:36:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 3:36:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 3:36:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 3:36:00 AM	70439
Xylenes, Total	ND	0.097		mg/Kg	1	9/29/2022 3:36:00 AM	70439
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	9/29/2022 3:36:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17

Project: Roy SWD 3

Collection Date: 9/23/2022 2:32:00 PM

Lab ID: 2209E05-017

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	59		mg/Kg	20	10/3/2022 10:27:44 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 3:50:04 AM	70446
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2022 3:50:04 AM	70446
Surr: DNOP	79.9	21-129		%Rec	1	9/30/2022 3:50:04 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 3:55:00 AM	70439
Surr: BFB	100	37.7-212		%Rec	1	9/29/2022 3:55:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 3:55:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 3:55:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 3:55:00 AM	70439
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2022 3:55:00 AM	70439
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	9/29/2022 3:55:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-18

Project: Roy SWD 3

Collection Date: 9/23/2022 2:34:00 PM

Lab ID: 2209E05-018

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1300	60		mg/Kg	20	10/3/2022 10:40:09 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 4:04:08 AM	70446
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 4:04:08 AM	70446
Surr: DNOP	89.9	21-129		%Rec	1	9/30/2022 4:04:08 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 4:15:00 AM	70439
Surr: BFB	106	37.7-212		%Rec	1	9/29/2022 4:15:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 4:15:00 AM	70439
Toluene	ND	0.047		mg/Kg	1	9/29/2022 4:15:00 AM	70439
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 4:15:00 AM	70439
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2022 4:15:00 AM	70439
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	9/29/2022 4:15:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-19

Project: Roy SWD 3

Collection Date: 9/23/2022 2:36:00 PM

Lab ID: 2209E05-019

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	900	60		mg/Kg	20	10/3/2022 11:42:14 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 4:18:20 AM	70446
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	9/30/2022 4:18:20 AM	70446
Surr: DNOP	79.9	21-129		%Rec	1	9/30/2022 4:18:20 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 4:35:00 AM	70439
Surr: BFB	104	37.7-212		%Rec	1	9/29/2022 4:35:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 4:35:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 4:35:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 4:35:00 AM	70439
Xylenes, Total	ND	0.097		mg/Kg	1	9/29/2022 4:35:00 AM	70439
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	9/29/2022 4:35:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-1

Project: Roy SWD 3

Collection Date: 9/23/2022 2:38:00 PM

Lab ID: 2209E05-020

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	450	60		mg/Kg	20	10/3/2022 11:54:38 AM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 4:32:16 AM	70446
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/30/2022 4:32:16 AM	70446
Surr: DNOP	76.3	21-129		%Rec	1	9/30/2022 4:32:16 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 4:54:00 AM	70439
Surr: BFB	105	37.7-212		%Rec	1	9/29/2022 4:54:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 4:54:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 4:54:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 4:54:00 AM	70439
Xylenes, Total	ND	0.095		mg/Kg	1	9/29/2022 4:54:00 AM	70439
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	9/29/2022 4:54:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-2

Project: Roy SWD 3

Collection Date: 9/23/2022 2:40:00 PM

Lab ID: 2209E05-021

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	850	60		mg/Kg	20	10/3/2022 12:07:02 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/30/2022 4:46:15 AM	70446
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/30/2022 4:46:15 AM	70446
Surr: DNOP	79.7	21-129		%Rec	1	9/30/2022 4:46:15 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 5:14:00 AM	70439
Surr: BFB	102	37.7-212		%Rec	1	9/29/2022 5:14:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 5:14:00 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 5:14:00 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 5:14:00 AM	70439
Xylenes, Total	ND	0.096		mg/Kg	1	9/29/2022 5:14:00 AM	70439
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	9/29/2022 5:14:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-3

Project: Roy SWD 3

Collection Date: 9/23/2022 2:42:00 PM

Lab ID: 2209E05-022

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	480	60		mg/Kg	20	10/3/2022 12:19:26 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 4:59:59 AM	70446
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	9/30/2022 4:59:59 AM	70446
Surr: DNOP	91.2	21-129		%Rec	1	9/30/2022 4:59:59 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 5:34:00 AM	70439
Surr: BFB	98.8	37.7-212		%Rec	1	9/29/2022 5:34:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	9/29/2022 5:34:00 AM	70439
Toluene	ND	0.047		mg/Kg	1	9/29/2022 5:34:00 AM	70439
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 5:34:00 AM	70439
Xylenes, Total	ND	0.094		mg/Kg	1	9/29/2022 5:34:00 AM	70439
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	9/29/2022 5:34:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4

Project: Roy SWD 3

Collection Date: 9/23/2022 2:44:00 PM

Lab ID: 2209E05-023

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1500	60		mg/Kg	20	10/3/2022 12:31:51 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 5:13:51 AM	70446
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 5:13:51 AM	70446
Surr: DNOP	82.8	21-129		%Rec	1	9/30/2022 5:13:51 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/29/2022 5:53:00 AM	70439
Surr: BFB	105	37.7-212		%Rec	1	9/29/2022 5:53:00 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 5:53:00 AM	70439
Toluene	ND	0.049		mg/Kg	1	9/29/2022 5:53:00 AM	70439
Ethylbenzene	ND	0.049		mg/Kg	1	9/29/2022 5:53:00 AM	70439
Xylenes, Total	ND	0.099		mg/Kg	1	9/29/2022 5:53:00 AM	70439
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	9/29/2022 5:53:00 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-5

Project: Roy SWD 3

Collection Date: 9/23/2022 2:46:00 PM

Lab ID: 2209E05-024

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	890	60		mg/Kg	20	10/3/2022 12:44:16 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/30/2022 5:27:22 AM	70446
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/30/2022 5:27:22 AM	70446
Surr: DNOP	55.0	21-129		%Rec	1	9/30/2022 5:27:22 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2022 4:49:01 AM	70439
Surr: BFB	93.4	37.7-212		%Rec	1	9/29/2022 4:49:01 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	9/29/2022 4:49:01 AM	70439
Toluene	ND	0.046		mg/Kg	1	9/29/2022 4:49:01 AM	70439
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2022 4:49:01 AM	70439
Xylenes, Total	ND	0.092		mg/Kg	1	9/29/2022 4:49:01 AM	70439
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	9/29/2022 4:49:01 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-6

Project: Roy SWD 3

Collection Date: 9/23/2022 2:46:00 PM

Lab ID: 2209E05-025

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2000	60		mg/Kg	20	10/3/2022 12:56:41 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	9/30/2022 5:40:57 AM	70446
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	9/30/2022 5:40:57 AM	70446
Surr: DNOP	77.4	21-129		%Rec	1	9/30/2022 5:40:57 AM	70446
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	9/29/2022 5:36:15 AM	70439
Surr: BFB	93.6	37.7-212		%Rec	1	9/29/2022 5:36:15 AM	70439
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	9/29/2022 5:36:15 AM	70439
Toluene	ND	0.048		mg/Kg	1	9/29/2022 5:36:15 AM	70439
Ethylbenzene	ND	0.048		mg/Kg	1	9/29/2022 5:36:15 AM	70439
Xylenes, Total	ND	0.096		mg/Kg	1	9/29/2022 5:36:15 AM	70439
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	9/29/2022 5:36:15 AM	70439

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-7

Project: Roy SWD 3

Collection Date: 9/23/2022 2:48:00 PM

Lab ID: 2209E05-026

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1700	60		mg/Kg	20	10/3/2022 1:09:05 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/29/2022 11:13:27 AM	70465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/29/2022 11:13:27 AM	70465
Surr: DNOP	101	21-129		%Rec	1	9/29/2022 11:13:27 AM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2022 12:48:00 PM	70460
Surr: BFB	106	37.7-212		%Rec	1	9/29/2022 12:48:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 12:48:00 PM	70460
Toluene	ND	0.050		mg/Kg	1	9/29/2022 12:48:00 PM	70460
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2022 12:48:00 PM	70460
Xylenes, Total	ND	0.10		mg/Kg	1	9/29/2022 12:48:00 PM	70460
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	9/29/2022 12:48:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-2W/2

Project: Roy SWD 3

Collection Date: 9/23/2022 11:50:00 AM

Lab ID: 2209E05-027

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	160	60		mg/Kg	20	10/3/2022 1:46:19 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/29/2022 11:53:53 AM	70465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/29/2022 11:53:53 AM	70465
Surr: DNOP	106	21-129		%Rec	1	9/29/2022 11:53:53 AM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	9/29/2022 2:07:00 PM	70460
Surr: BFB	105	37.7-212		%Rec	1	9/29/2022 2:07:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	9/29/2022 2:07:00 PM	70460
Toluene	ND	0.050		mg/Kg	1	9/29/2022 2:07:00 PM	70460
Ethylbenzene	ND	0.050		mg/Kg	1	9/29/2022 2:07:00 PM	70460
Xylenes, Total	ND	0.099		mg/Kg	1	9/29/2022 2:07:00 PM	70460
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	9/29/2022 2:07:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-2W/4

Project: Roy SWD 3

Collection Date: 9/23/2022 12:00:00 PM

Lab ID: 2209E05-028

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	590	60		mg/Kg	20	10/3/2022 1:58:44 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	9/29/2022 12:07:30 PM	70465
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	9/29/2022 12:07:30 PM	70465
Surr: DNOP	101	21-129		%Rec	1	9/29/2022 12:07:30 PM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 3:05:00 PM	70460
Surr: BFB	105	37.7-212		%Rec	1	9/29/2022 3:05:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 3:05:00 PM	70460
Toluene	ND	0.047		mg/Kg	1	9/29/2022 3:05:00 PM	70460
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 3:05:00 PM	70460
Xylenes, Total	ND	0.094		mg/Kg	1	9/29/2022 3:05:00 PM	70460
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	9/29/2022 3:05:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-2N/1

Project: Roy SWD 3

Collection Date: 9/23/2022 1:07:00 PM

Lab ID: 2209E05-029

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/3/2022 2:11:10 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/29/2022 12:21:03 PM	70465
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/29/2022 12:21:03 PM	70465
Surr: DNOP	115	21-129		%Rec	1	9/29/2022 12:21:03 PM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 3:25:00 PM	70460
Surr: BFB	103	37.7-212		%Rec	1	9/29/2022 3:25:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 3:25:00 PM	70460
Toluene	ND	0.047		mg/Kg	1	9/29/2022 3:25:00 PM	70460
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 3:25:00 PM	70460
Xylenes, Total	ND	0.094		mg/Kg	1	9/29/2022 3:25:00 PM	70460
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	9/29/2022 3:25:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-2N/4

Project: Roy SWD 3

Collection Date: 9/23/2022 1:22:00 PM

Lab ID: 2209E05-030

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	95	60		mg/Kg	20	10/3/2022 2:23:35 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/29/2022 12:34:33 PM	70465
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	9/29/2022 12:34:33 PM	70465
Surr: DNOP	89.0	21-129		%Rec	1	9/29/2022 12:34:33 PM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	9/29/2022 3:45:00 PM	70460
Surr: BFB	107	37.7-212		%Rec	1	9/29/2022 3:45:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	9/29/2022 3:45:00 PM	70460
Toluene	ND	0.049		mg/Kg	1	9/29/2022 3:45:00 PM	70460
Ethylbenzene	ND	0.049		mg/Kg	1	9/29/2022 3:45:00 PM	70460
Xylenes, Total	ND	0.097		mg/Kg	1	9/29/2022 3:45:00 PM	70460
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	9/29/2022 3:45:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-6N/1

Project: Roy SWD 3

Collection Date: 9/23/2022 2:16:00 PM

Lab ID: 2209E05-031

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/3/2022 2:36:00 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	62	14		mg/Kg	1	9/29/2022 12:48:10 PM	70465
Motor Oil Range Organics (MRO)	95	48		mg/Kg	1	9/29/2022 12:48:10 PM	70465
Surr: DNOP	110	21-129		%Rec	1	9/29/2022 12:48:10 PM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	9/29/2022 4:04:00 PM	70460
Surr: BFB	103	37.7-212		%Rec	1	9/29/2022 4:04:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	9/29/2022 4:04:00 PM	70460
Toluene	ND	0.046		mg/Kg	1	9/29/2022 4:04:00 PM	70460
Ethylbenzene	ND	0.046		mg/Kg	1	9/29/2022 4:04:00 PM	70460
Xylenes, Total	ND	0.093		mg/Kg	1	9/29/2022 4:04:00 PM	70460
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	9/29/2022 4:04:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2209E05**

Date Reported: **10/13/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: RTP-6N/4

Project: Roy SWD 3

Collection Date: 9/23/2022 2:22:00 PM

Lab ID: 2209E05-032

Matrix: SOIL

Received Date: 9/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/3/2022 2:48:25 PM	70539
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	9/29/2022 1:15:16 PM	70465
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	9/29/2022 1:15:16 PM	70465
Surr: DNOP	92.9	21-129		%Rec	1	9/29/2022 1:15:16 PM	70465
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	9/29/2022 4:24:00 PM	70460
Surr: BFB	102	37.7-212		%Rec	1	9/29/2022 4:24:00 PM	70460
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	9/29/2022 4:24:00 PM	70460
Toluene	ND	0.047		mg/Kg	1	9/29/2022 4:24:00 PM	70460
Ethylbenzene	ND	0.047		mg/Kg	1	9/29/2022 4:24:00 PM	70460
Xylenes, Total	ND	0.094		mg/Kg	1	9/29/2022 4:24:00 PM	70460
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	9/29/2022 4:24:00 PM	70460

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70532	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70532	RunNo: 91459								
Prep Date: 9/30/2022	Analysis Date: 10/1/2022	SeqNo: 3275048	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70532	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70532	RunNo: 91459								
Prep Date: 9/30/2022	Analysis Date: 10/1/2022	SeqNo: 3275049	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.4	90	110			

Sample ID: MB-70539	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70539	RunNo: 91495								
Prep Date: 10/3/2022	Analysis Date: 10/3/2022	SeqNo: 3277087	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70539	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70539	RunNo: 91495								
Prep Date: 10/3/2022	Analysis Date: 10/3/2022	SeqNo: 3277088	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70465	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70465	RunNo: 91420								
Prep Date: 9/28/2022	Analysis Date: 9/29/2022	SeqNo: 3273391	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		118	21	129			

Sample ID: LCS-70465	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70465	RunNo: 91420								
Prep Date: 9/28/2022	Analysis Date: 9/29/2022	SeqNo: 3273393	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.5	64.4	127			
Surr: DNOP	4.7		5.000		95.0	21	129			

Sample ID: MB-70446	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70446	RunNo: 91420								
Prep Date: 9/27/2022	Analysis Date: 9/30/2022	SeqNo: 3273492	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.4	21	129			

Sample ID: LCS-70446	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70446	RunNo: 91420								
Prep Date: 9/27/2022	Analysis Date: 9/30/2022	SeqNo: 3273494	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	50.00	0	93.5	64.4	127			
Surr: DNOP	4.5		5.000		90.2	21	129			

Sample ID: LCS-70443	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70443	RunNo: 91439								
Prep Date: 9/27/2022	Analysis Date: 9/30/2022	SeqNo: 3274443	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	15	50.00	0	74.5	64.4	127			
Surr: DNOP	4.2		5.000		84.9	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70443	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70443	RunNo: 91439								
Prep Date: 9/27/2022	Analysis Date: 9/30/2022	SeqNo: 3274446	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		137	21	129			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-70439	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70439		RunNo: 91349							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3271475		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	2200		1000		222	37.7	212			S

Sample ID: mb-70439	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70439		RunNo: 91349							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3271477		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	37.7	212			

Sample ID: LCS-70438	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70438		RunNo: 91394							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3272041		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: mb-70438	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70438		RunNo: 91394							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3272043		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		93.8	37.7	212			

Sample ID: ics-70460	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70460		RunNo: 91419							
Prep Date: 9/28/2022	Analysis Date: 9/29/2022		SeqNo: 3272915		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	72.3	137			
Surr: BFB	2400		1000		237	37.7	212			S

Sample ID: mb-70460	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70460		RunNo: 91419							
Prep Date: 9/28/2022	Analysis Date: 9/29/2022		SeqNo: 3272916		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-70460	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 70460	RunNo: 91419								
Prep Date: 9/28/2022	Analysis Date: 9/29/2022	SeqNo: 3272916	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: Ics-70439	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70439		RunNo: 91349							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3271548		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.9	70	130			

Sample ID: mb-70439	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70439		RunNo: 91349							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3271549		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Sample ID: Ics-70438	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70438		RunNo: 91394							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3272469		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.9	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	95.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	70	130			

Sample ID: mb-70438	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70438		RunNo: 91394							
Prep Date: 9/27/2022	Analysis Date: 9/28/2022		SeqNo: 3272470		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209E05

13-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-70460	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70460		RunNo: 91419							
Prep Date: 9/28/2022	Analysis Date: 9/29/2022		SeqNo: 3272939		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120			
Toluene	0.98	0.050	1.000	0	98.5	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	70	130			

Sample ID: mb-70460	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70460		RunNo: 91419							
Prep Date: 9/28/2022	Analysis Date: 9/29/2022		SeqNo: 3272940		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2209E05

RcptNo: 1

Received By: Joseph Alderette 9/27/2022 7:25:00 AM

Completed By: Sean Livingston 9/27/2022 8:19:41 AM

Reviewed By: KPG 9-27-22

[Handwritten signature]

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: JM 9/27/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.3	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 19, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2210142

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/5/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-8

Project: Roy SWD 3

Collection Date: 10/3/2022 12:20:00 PM

Lab ID: 2210142-001

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	5800	300		mg/Kg	100	10/8/2022 5:02:47 PM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/6/2022 2:19:36 PM	70635
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/6/2022 2:19:36 PM	70635
Surr: DNOP	76.2	21-129		%Rec	1	10/6/2022 2:19:36 PM	70635
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2022 11:09:34 PM	70625
Surr: BFB	85.7	37.7-212		%Rec	1	10/6/2022 11:09:34 PM	70625
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/6/2022 11:09:34 PM	70625
Toluene	ND	0.049		mg/Kg	1	10/6/2022 11:09:34 PM	70625
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2022 11:09:34 PM	70625
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2022 11:09:34 PM	70625
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	10/6/2022 11:09:34 PM	70625

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-9

Project: Roy SWD 3

Collection Date: 10/3/2022 2:40:00 PM

Lab ID: 2210142-002

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	430	60		mg/Kg	20	10/7/2022 10:39:23 AM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/6/2022 2:30:26 PM	70635
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/6/2022 2:30:26 PM	70635
Surr: DNOP	67.8	21-129		%Rec	1	10/6/2022 2:30:26 PM	70635
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2022 11:33:06 PM	70625
Surr: BFB	88.3	37.7-212		%Rec	1	10/6/2022 11:33:06 PM	70625
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/6/2022 11:33:06 PM	70625
Toluene	ND	0.048		mg/Kg	1	10/6/2022 11:33:06 PM	70625
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2022 11:33:06 PM	70625
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2022 11:33:06 PM	70625
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	10/6/2022 11:33:06 PM	70625

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-10

Project: Roy SWD 3

Collection Date: 10/3/2022 2:44:00 PM

Lab ID: 2210142-003

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	280	60		mg/Kg	20	10/7/2022 10:51:47 AM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/6/2022 2:41:13 PM	70635
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/6/2022 2:41:13 PM	70635
Surr: DNOP	36.6	21-129		%Rec	1	10/6/2022 2:41:13 PM	70635
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/6/2022 11:56:33 PM	70625
Surr: BFB	86.6	37.7-212		%Rec	1	10/6/2022 11:56:33 PM	70625
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/6/2022 11:56:33 PM	70625
Toluene	ND	0.047		mg/Kg	1	10/6/2022 11:56:33 PM	70625
Ethylbenzene	ND	0.047		mg/Kg	1	10/6/2022 11:56:33 PM	70625
Xylenes, Total	ND	0.094		mg/Kg	1	10/6/2022 11:56:33 PM	70625
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	10/6/2022 11:56:33 PM	70625

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-11

Project: Roy SWD 3

Collection Date: 10/3/2022 2:46:00 PM

Lab ID: 2210142-004

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	330	60		mg/Kg	20	10/7/2022 11:04:11 AM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/6/2022 2:52:02 PM	70635
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/6/2022 2:52:02 PM	70635
Surr: DNOP	58.6	21-129		%Rec	1	10/6/2022 2:52:02 PM	70635
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2022 12:43:41 AM	70625
Surr: BFB	88.4	37.7-212		%Rec	1	10/7/2022 12:43:41 AM	70625
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/7/2022 12:43:41 AM	70625
Toluene	ND	0.048		mg/Kg	1	10/7/2022 12:43:41 AM	70625
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2022 12:43:41 AM	70625
Xylenes, Total	ND	0.096		mg/Kg	1	10/7/2022 12:43:41 AM	70625
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	10/7/2022 12:43:41 AM	70625

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-12

Project: Roy SWD 3

Collection Date: 10/3/2022 2:48:00 PM

Lab ID: 2210142-005

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	240	59		mg/Kg	20	10/7/2022 12:31:01 PM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/6/2022 3:02:46 PM	70635
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/6/2022 3:02:46 PM	70635
Surr: DNOP	77.0	21-129		%Rec	1	10/6/2022 3:02:46 PM	70635
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2022 1:07:15 AM	70625
Surr: BFB	85.5	37.7-212		%Rec	1	10/7/2022 1:07:15 AM	70625
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/7/2022 1:07:15 AM	70625
Toluene	ND	0.049		mg/Kg	1	10/7/2022 1:07:15 AM	70625
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2022 1:07:15 AM	70625
Xylenes, Total	ND	0.097		mg/Kg	1	10/7/2022 1:07:15 AM	70625
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	10/7/2022 1:07:15 AM	70625

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210142**

Date Reported: **10/19/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-13

Project: Roy SWD 3

Collection Date: 10/3/2022 2:52:00 PM

Lab ID: 2210142-006

Matrix: SOIL

Received Date: 10/5/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	300	60		mg/Kg	20	10/7/2022 12:43:26 PM	70675
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/15/2022 7:17:35 PM	70841
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/15/2022 7:17:35 PM	70841
Surr: DNOP	85.7	21-129		%Rec	1	10/15/2022 7:17:35 PM	70841
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/6/2022 4:32:00 PM	70633
Surr: BFB	107	37.7-212		%Rec	1	10/6/2022 4:32:00 PM	70633
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/6/2022 4:32:00 PM	70633
Toluene	ND	0.050		mg/Kg	1	10/6/2022 4:32:00 PM	70633
Ethylbenzene	ND	0.050		mg/Kg	1	10/6/2022 4:32:00 PM	70633
Xylenes, Total	ND	0.099		mg/Kg	1	10/6/2022 4:32:00 PM	70633
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/6/2022 4:32:00 PM	70633

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210142

19-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70675	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70675	RunNo: 91648								
Prep Date: 10/7/2022	Analysis Date: 10/7/2022	SeqNo: 3283905	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70675	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70675	RunNo: 91648								
Prep Date: 10/7/2022	Analysis Date: 10/7/2022	SeqNo: 3283906	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

Qualifiers:

- | | |
|--|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Estimated value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of range due to dilution or matrix interference | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210142

19-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-70635	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70635	RunNo: 91599								
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3281585	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	15	50.00	0	71.2	64.4	127			
Surr: DNOP	3.5		5.000		71.0	21	129			

Sample ID: MB-70635	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70635	RunNo: 91599								
Prep Date: 10/5/2022	Analysis Date: 10/6/2022	SeqNo: 3281587	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.1	21	129			

Sample ID: LCS-70653	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70653	RunNo: 91633								
Prep Date: 10/6/2022	Analysis Date: 10/7/2022	SeqNo: 3283239	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.4		5.000		67.0	21	129			

Sample ID: MB-70653	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70653	RunNo: 91633								
Prep Date: 10/6/2022	Analysis Date: 10/7/2022	SeqNo: 3283241	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.0	21	129			

Sample ID: LCS-70721	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70721	RunNo: 91700								
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286198	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.3		5.000		66.3	21	129			

Sample ID: MB-70721	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70721	RunNo: 91700								
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3286199	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		82.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210142

19-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-70717	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70717	RunNo: 91700								
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288664	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		77.8	21	129			

Sample ID: MB-70717	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70717	RunNo: 91700								
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288669	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.9		10.00		98.8	21	129			

Sample ID: MB-70841	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70841	RunNo: 91873								
Prep Date: 10/14/2022	Analysis Date: 10/15/2022	SeqNo: 3294777	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		118	21	129			

Sample ID: LCS-70841	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70841	RunNo: 91873								
Prep Date: 10/14/2022	Analysis Date: 10/15/2022	SeqNo: 3294778	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	15	50.00	0	119	64.4	127			
Surr: DNOP	5.3		5.000		106	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210142

19-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-70625	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70625		RunNo: 91616							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282365		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.4	72.3	137			
Surr: BFB	1900		1000		187	37.7	212			

Sample ID: mb-70625	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70625		RunNo: 91616							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282366		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.0	37.7	212			

Sample ID: lcs-70633	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70633		RunNo: 91579							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282524		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.8	72.3	137			
Surr: BFB	2200		1000		222	37.7	212			S

Sample ID: mb-70633	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70633		RunNo: 91579							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282526		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210142

19-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: Ics-70625	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70625		RunNo: 91616							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282419		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	81.0	80	120			
Toluene	0.87	0.050	1.000	0	86.7	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.7	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.1	70	130			

Sample ID: mb-70625	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70625		RunNo: 91616							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282420		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	70	130			

Sample ID: Ics-70633	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70633		RunNo: 91579							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282556		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.5	80	120			
Toluene	0.95	0.050	1.000	0	94.7	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: mb-70633	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70633		RunNo: 91579							
Prep Date: 10/5/2022	Analysis Date: 10/6/2022		SeqNo: 3282557		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



4901 Hawkins NE
Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2210142

RcptNo: 1

Received By: Joseph Alderette 10/5/2022 7:25:00 AM

Completed By: Cheyenne Cason 10/5/2022 8:42:10 AM

Reviewed By: Jm 10/5/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C? Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?

Checked by: KPA 10-05-22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.2	Good	Not Present			

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

EOG 5 DAY TAT

Standard Rush

Project Name:

Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including OF): 5.2 - 0 = 5.2 °C

Container Type and #

Preservative Type

HEAL No.

1x4oz Jar ICE 2210142
901
002
003
004
005
006

Date Time Matrix Sample Name

10-3-22 1220 Soil W-8
1440 W-9
1444 W-10
1446 W-11
1448 W-12
1452 W-13

Received by: Via: Date Time

W. Kennedy 10/4/22 10:48

Relinquished by: Date Time

J. Martinez 10/4/22 11:20

Remarks: Bill to EOG Artesia

10/4/22 1900 *[Signature]* carrier 10-5-22 7:25



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 20, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2210279

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 24 sample(s) on 10/6/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-20

Project: Roy SWD 3

Collection Date: 10/4/2022 11:40:00 AM

Lab ID: 2210279-001

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	400	61		mg/Kg	20	10/14/2022 2:16:41 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 5:24:59 AM	70711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2022 5:24:59 AM	70711
Surr: DNOP	65.5	21-129		%Rec	1	10/12/2022 5:24:59 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2022 9:31:00 AM	70706
Surr: BFB	92.9	37.7-212		%Rec	1	10/11/2022 9:31:00 AM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 9:31:00 AM	70706
Toluene	ND	0.050		mg/Kg	1	10/11/2022 9:31:00 AM	70706
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2022 9:31:00 AM	70706
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2022 9:31:00 AM	70706
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	10/11/2022 9:31:00 AM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-21

Project: Roy SWD 3

Collection Date: 10/4/2022 11:42:00 AM

Lab ID: 2210279-002

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	970	60		mg/Kg	20	10/14/2022 2:29:05 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 5:56:20 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 5:56:20 AM	70711
Surr: DNOP	76.6	21-129		%Rec	1	10/12/2022 5:56:20 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 10:30:00 AM	70706
Surr: BFB	97.6	37.7-212		%Rec	1	10/11/2022 10:30:00 AM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 10:30:00 AM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 10:30:00 AM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 10:30:00 AM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 10:30:00 AM	70706
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	10/11/2022 10:30:00 AM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-22

Project: Roy SWD 3

Collection Date: 10/4/2022 11:44:00 AM

Lab ID: 2210279-003

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	460	60		mg/Kg	20	10/14/2022 2:41:30 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 6:06:47 AM	70711
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2022 6:06:47 AM	70711
Surr: DNOP	67.2	21-129		%Rec	1	10/12/2022 6:06:47 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 11:29:00 AM	70706
Surr: BFB	93.3	37.7-212		%Rec	1	10/11/2022 11:29:00 AM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 11:29:00 AM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 11:29:00 AM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 11:29:00 AM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 11:29:00 AM	70706
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	10/11/2022 11:29:00 AM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-23

Project: Roy SWD 3

Collection Date: 10/4/2022 11:46:00 AM

Lab ID: 2210279-004

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1200	59		mg/Kg	20	10/14/2022 2:53:55 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 6:17:14 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 6:17:14 AM	70711
Surr: DNOP	76.8	21-129		%Rec	1	10/12/2022 6:17:14 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2022 11:49:00 AM	70706
Surr: BFB	94.2	37.7-212		%Rec	1	10/11/2022 11:49:00 AM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 11:49:00 AM	70706
Toluene	ND	0.050		mg/Kg	1	10/11/2022 11:49:00 AM	70706
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2022 11:49:00 AM	70706
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2022 11:49:00 AM	70706
Surr: 4-Bromofluorobenzene	95.7	70-130		%Rec	1	10/11/2022 11:49:00 AM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-24

Project: Roy SWD 3

Collection Date: 10/4/2022 11:48:00 AM

Lab ID: 2210279-005

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	470	60		mg/Kg	20	10/14/2022 3:06:19 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 6:27:43 AM	70711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2022 6:27:43 AM	70711
Surr: DNOP	75.4	21-129		%Rec	1	10/12/2022 6:27:43 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2022 12:08:00 PM	70706
Surr: BFB	88.6	37.7-212		%Rec	1	10/11/2022 12:08:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 12:08:00 PM	70706
Toluene	ND	0.047		mg/Kg	1	10/11/2022 12:08:00 PM	70706
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2022 12:08:00 PM	70706
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2022 12:08:00 PM	70706
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	10/11/2022 12:08:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-25

Project: Roy SWD 3

Collection Date: 10/4/2022 11:50:00 AM

Lab ID: 2210279-006

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	990	60		mg/Kg	20	10/14/2022 3:18:43 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 6:38:12 AM	70711
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2022 6:38:12 AM	70711
Surr: DNOP	91.3	21-129		%Rec	1	10/12/2022 6:38:12 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2022 12:28:00 PM	70706
Surr: BFB	96.8	37.7-212		%Rec	1	10/11/2022 12:28:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 12:28:00 PM	70706
Toluene	ND	0.050		mg/Kg	1	10/11/2022 12:28:00 PM	70706
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2022 12:28:00 PM	70706
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2022 12:28:00 PM	70706
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	10/11/2022 12:28:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-26

Project: Roy SWD 3

Collection Date: 10/4/2022 11:52:00 AM

Lab ID: 2210279-007

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	450	59		mg/Kg	20	10/14/2022 3:31:08 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 6:48:43 AM	70711
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2022 6:48:43 AM	70711
Surr: DNOP	57.0	21-129		%Rec	1	10/12/2022 6:48:43 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2022 12:48:00 PM	70706
Surr: BFB	95.0	37.7-212		%Rec	1	10/11/2022 12:48:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 12:48:00 PM	70706
Toluene	ND	0.048		mg/Kg	1	10/11/2022 12:48:00 PM	70706
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2022 12:48:00 PM	70706
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2022 12:48:00 PM	70706
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	10/11/2022 12:48:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-27

Project: Roy SWD 3

Collection Date: 10/4/2022 11:54:00 AM

Lab ID: 2210279-008

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	2200	150		mg/Kg	50	10/14/2022 3:43:33 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/12/2022 6:59:16 AM	70711
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	10/12/2022 6:59:16 AM	70711
Surr: DNOP	67.5	21-129		%Rec	1	10/12/2022 6:59:16 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 1:07:00 PM	70706
Surr: BFB	93.3	37.7-212		%Rec	1	10/11/2022 1:07:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 1:07:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 1:07:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 1:07:00 PM	70706
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2022 1:07:00 PM	70706
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	10/11/2022 1:07:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-28

Project: Roy SWD 3

Collection Date: 10/4/2022 12:40:00 PM

Lab ID: 2210279-009

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	460	60		mg/Kg	20	10/14/2022 4:20:46 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 7:09:50 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 7:09:50 AM	70711
Surr: DNOP	77.5	21-129		%Rec	1	10/12/2022 7:09:50 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 1:27:00 PM	70706
Surr: BFB	93.5	37.7-212		%Rec	1	10/11/2022 1:27:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 1:27:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 1:27:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 1:27:00 PM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 1:27:00 PM	70706
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/11/2022 1:27:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-29

Project: Roy SWD 3

Collection Date: 10/4/2022 12:42:00 PM

Lab ID: 2210279-010

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1100	60		mg/Kg	20	10/14/2022 4:33:10 PM	70743
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 7:20:25 AM	70711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2022 7:20:25 AM	70711
Surr: DNOP	74.6	21-129		%Rec	1	10/12/2022 7:20:25 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 1:47:00 PM	70706
Surr: BFB	94.5	37.7-212		%Rec	1	10/11/2022 1:47:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 1:47:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 1:47:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 1:47:00 PM	70706
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2022 1:47:00 PM	70706
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	10/11/2022 1:47:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-30

Project: Roy SWD 3

Collection Date: 10/4/2022 12:46:00 PM

Lab ID: 2210279-011

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	440	60		mg/Kg	20	10/11/2022 8:52:44 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 7:31:01 AM	70711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2022 7:31:01 AM	70711
Surr: DNOP	52.8	21-129		%Rec	1	10/12/2022 7:31:01 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2022 2:26:00 PM	70706
Surr: BFB	91.3	37.7-212		%Rec	1	10/11/2022 2:26:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	10/11/2022 2:26:00 PM	70706
Toluene	ND	0.047		mg/Kg	1	10/11/2022 2:26:00 PM	70706
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2022 2:26:00 PM	70706
Xylenes, Total	ND	0.094		mg/Kg	1	10/11/2022 2:26:00 PM	70706
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	10/11/2022 2:26:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-31

Project: Roy SWD 3

Collection Date: 10/4/2022 1:00:00 PM

Lab ID: 2210279-012

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	700	61		mg/Kg	20	10/11/2022 9:29:58 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 7:41:38 AM	70711
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/12/2022 7:41:38 AM	70711
Surr: DNOP	73.5	21-129		%Rec	1	10/12/2022 7:41:38 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 2:46:00 PM	70706
Surr: BFB	91.4	37.7-212		%Rec	1	10/11/2022 2:46:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 2:46:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 2:46:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 2:46:00 PM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 2:46:00 PM	70706
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	10/11/2022 2:46:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-32

Project: Roy SWD 3

Collection Date: 10/4/2022 1:02:00 PM

Lab ID: 2210279-013

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	480	60		mg/Kg	20	10/11/2022 9:42:23 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 7:52:17 AM	70711
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2022 7:52:17 AM	70711
Surr: DNOP	69.6	21-129		%Rec	1	10/12/2022 7:52:17 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 3:05:00 PM	70706
Surr: BFB	89.1	37.7-212		%Rec	1	10/11/2022 3:05:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 3:05:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 3:05:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 3:05:00 PM	70706
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2022 3:05:00 PM	70706
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	10/11/2022 3:05:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-33

Project: Roy SWD 3

Collection Date: 10/4/2022 1:04:00 PM

Lab ID: 2210279-014

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3800	150		mg/Kg	50	10/19/2022 8:42:02 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 8:03:07 AM	70711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/12/2022 8:03:07 AM	70711
Surr: DNOP	66.4	21-129		%Rec	1	10/12/2022 8:03:07 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2022 3:25:00 PM	70706
Surr: BFB	96.7	37.7-212		%Rec	1	10/11/2022 3:25:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 3:25:00 PM	70706
Toluene	ND	0.048		mg/Kg	1	10/11/2022 3:25:00 PM	70706
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2022 3:25:00 PM	70706
Xylenes, Total	ND	0.097		mg/Kg	1	10/11/2022 3:25:00 PM	70706
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	10/11/2022 3:25:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-34

Project: Roy SWD 3

Collection Date: 10/4/2022 1:06:00 PM

Lab ID: 2210279-015

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	450	60		mg/Kg	20	10/11/2022 10:07:13 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 8:14:14 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 8:14:14 AM	70711
Surr: DNOP	69.0	21-129		%Rec	1	10/12/2022 8:14:14 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2022 3:44:00 PM	70706
Surr: BFB	96.1	37.7-212		%Rec	1	10/11/2022 3:44:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 3:44:00 PM	70706
Toluene	ND	0.048		mg/Kg	1	10/11/2022 3:44:00 PM	70706
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2022 3:44:00 PM	70706
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2022 3:44:00 PM	70706
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	10/11/2022 3:44:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-35

Project: Roy SWD 3

Collection Date: 10/4/2022 1:08:00 PM

Lab ID: 2210279-016

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1700	61		mg/Kg	20	10/11/2022 10:19:37 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/12/2022 8:25:03 AM	70711
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/12/2022 8:25:03 AM	70711
Surr: DNOP	74.7	21-129		%Rec	1	10/12/2022 8:25:03 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 4:04:00 PM	70706
Surr: BFB	92.2	37.7-212		%Rec	1	10/11/2022 4:04:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 4:04:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 4:04:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 4:04:00 PM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 4:04:00 PM	70706
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	10/11/2022 4:04:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-36

Project: Roy SWD 3

Collection Date: 10/4/2022 1:20:00 PM

Lab ID: 2210279-017

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2300	60		mg/Kg	20	10/11/2022 10:32:02 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 8:35:50 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 8:35:50 AM	70711
Surr: DNOP	62.6	21-129		%Rec	1	10/12/2022 8:35:50 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 4:24:00 PM	70706
Surr: BFB	93.6	37.7-212		%Rec	1	10/11/2022 4:24:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 4:24:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 4:24:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 4:24:00 PM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 4:24:00 PM	70706
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	10/11/2022 4:24:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-37

Project: Roy SWD 3

Collection Date: 10/4/2022 1:22:00 PM

Lab ID: 2210279-018

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	2200	60		mg/Kg	20	10/11/2022 10:44:27 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 8:46:36 AM	70711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 8:46:36 AM	70711
Surr: DNOP	70.4	21-129		%Rec	1	10/12/2022 8:46:36 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 4:44:00 PM	70706
Surr: BFB	95.0	37.7-212		%Rec	1	10/11/2022 4:44:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 4:44:00 PM	70706
Toluene	ND	0.049		mg/Kg	1	10/11/2022 4:44:00 PM	70706
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 4:44:00 PM	70706
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 4:44:00 PM	70706
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	10/11/2022 4:44:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-38

Project: Roy SWD 3

Collection Date: 10/4/2022 1:24:00 PM

Lab ID: 2210279-019

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	60		mg/Kg	20	10/11/2022 11:21:42 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/12/2022 8:57:22 AM	70711
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	10/12/2022 8:57:22 AM	70711
Surr: DNOP	65.5	21-129		%Rec	1	10/12/2022 8:57:22 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/11/2022 5:03:00 PM	70706
Surr: BFB	94.1	37.7-212		%Rec	1	10/11/2022 5:03:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 5:03:00 PM	70706
Toluene	ND	0.050		mg/Kg	1	10/11/2022 5:03:00 PM	70706
Ethylbenzene	ND	0.050		mg/Kg	1	10/11/2022 5:03:00 PM	70706
Xylenes, Total	ND	0.10		mg/Kg	1	10/11/2022 5:03:00 PM	70706
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/11/2022 5:03:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-39

Project: Roy SWD 3

Collection Date: 10/4/2022 1:26:00 PM

Lab ID: 2210279-020

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	4900	300		mg/Kg	100	10/19/2022 8:54:27 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 9:08:09 AM	70711
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2022 9:08:09 AM	70711
Surr: DNOP	70.6	21-129		%Rec	1	10/12/2022 9:08:09 AM	70711
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/11/2022 5:23:00 PM	70706
Surr: BFB	93.8	37.7-212		%Rec	1	10/11/2022 5:23:00 PM	70706
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 5:23:00 PM	70706
Toluene	ND	0.047		mg/Kg	1	10/11/2022 5:23:00 PM	70706
Ethylbenzene	ND	0.047		mg/Kg	1	10/11/2022 5:23:00 PM	70706
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2022 5:23:00 PM	70706
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	10/11/2022 5:23:00 PM	70706

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-40

Project: Roy SWD 3

Collection Date: 10/4/2022 1:28:00 PM

Lab ID: 2210279-021

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	4900	150		mg/Kg	50	10/19/2022 9:31:39 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 9:18:54 AM	70715
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 9:18:54 AM	70715
Surr: DNOP	81.4	21-129		%Rec	1	10/12/2022 9:18:54 AM	70715
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2022 7:21:00 PM	70709
Surr: BFB	93.9	37.7-212		%Rec	1	10/11/2022 7:21:00 PM	70709
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 7:21:00 PM	70709
Toluene	ND	0.048		mg/Kg	1	10/11/2022 7:21:00 PM	70709
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2022 7:21:00 PM	70709
Xylenes, Total	ND	0.095		mg/Kg	1	10/11/2022 7:21:00 PM	70709
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	10/11/2022 7:21:00 PM	70709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-41

Project: Roy SWD 3

Collection Date: 10/4/2022 1:30:00 PM

Lab ID: 2210279-022

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	61		mg/Kg	20	10/11/2022 11:58:56 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 9:51:08 AM	70715
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/12/2022 9:51:08 AM	70715
Surr: DNOP	41.9	21-129		%Rec	1	10/12/2022 9:51:08 AM	70715
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/11/2022 8:20:00 PM	70709
Surr: BFB	93.2	37.7-212		%Rec	1	10/11/2022 8:20:00 PM	70709
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 8:20:00 PM	70709
Toluene	ND	0.048		mg/Kg	1	10/11/2022 8:20:00 PM	70709
Ethylbenzene	ND	0.048		mg/Kg	1	10/11/2022 8:20:00 PM	70709
Xylenes, Total	ND	0.096		mg/Kg	1	10/11/2022 8:20:00 PM	70709
Surr: 4-Bromofluorobenzene	94.4	70-130		%Rec	1	10/11/2022 8:20:00 PM	70709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-42

Project: Roy SWD 3

Collection Date: 10/4/2022 1:32:00 PM

Lab ID: 2210279-023

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	3100	150		mg/Kg	50	10/19/2022 9:44:04 PM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/12/2022 10:01:53 AM	70715
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/12/2022 10:01:53 AM	70715
Surr: DNOP	66.2	21-129		%Rec	1	10/12/2022 10:01:53 AM	70715
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 9:19:00 PM	70709
Surr: BFB	93.3	37.7-212		%Rec	1	10/11/2022 9:19:00 PM	70709
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	10/11/2022 9:19:00 PM	70709
Toluene	ND	0.049		mg/Kg	1	10/11/2022 9:19:00 PM	70709
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 9:19:00 PM	70709
Xylenes, Total	ND	0.098		mg/Kg	1	10/11/2022 9:19:00 PM	70709
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	10/11/2022 9:19:00 PM	70709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210279**

Date Reported: **10/20/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-43

Project: Roy SWD 3

Collection Date: 10/4/2022 1:34:00 PM

Lab ID: 2210279-024

Matrix: SOIL

Received Date: 10/6/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	510	60		mg/Kg	20	10/12/2022 12:23:46 AM	70744
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/12/2022 10:12:37 AM	70715
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/12/2022 10:12:37 AM	70715
Surr: DNOP	76.7	21-129		%Rec	1	10/12/2022 10:12:37 AM	70715
EPA METHOD 8015D: GASOLINE RANGE							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/11/2022 9:38:00 PM	70709
Surr: BFB	88.1	37.7-212		%Rec	1	10/11/2022 9:38:00 PM	70709
EPA METHOD 8021B: VOLATILES							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	10/11/2022 9:38:00 PM	70709
Toluene	ND	0.049		mg/Kg	1	10/11/2022 9:38:00 PM	70709
Ethylbenzene	ND	0.049		mg/Kg	1	10/11/2022 9:38:00 PM	70709
Xylenes, Total	ND	0.099		mg/Kg	1	10/11/2022 9:38:00 PM	70709
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	10/11/2022 9:38:00 PM	70709

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210279

20-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70744	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70744	RunNo: 91695								
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3288723	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70744	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70744	RunNo: 91695								
Prep Date: 10/11/2022	Analysis Date: 10/11/2022	SeqNo: 3288724	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Sample ID: MB-70743	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70743	RunNo: 91834								
Prep Date: 10/11/2022	Analysis Date: 10/14/2022	SeqNo: 3293086	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70743	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70743	RunNo: 91834								
Prep Date: 10/11/2022	Analysis Date: 10/14/2022	SeqNo: 3293087	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210279

20-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-70721	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70721		RunNo: 91700							
Prep Date: 10/11/2022	Analysis Date: 10/11/2022		SeqNo: 3286198				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.3		5.000		66.3	21	129			

Sample ID: MB-70721	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70721		RunNo: 91700							
Prep Date: 10/11/2022	Analysis Date: 10/11/2022		SeqNo: 3286199				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.3		10.00		82.6	21	129			

Sample ID: LCS-70711	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70711		RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3288662				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	33	15	50.00	0	65.4	64.4	127			
Surr: DNOP	3.6		5.000		71.2	21	129			

Sample ID: LCS-70715	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70715		RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3288663				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	32	15	50.00	0	64.5	64.4	127			
Surr: DNOP	3.4		5.000		68.3	21	129			

Sample ID: MB-70711	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70711		RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3288667				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		94.5	21	129			

Sample ID: MB-70715	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 70715		RunNo: 91700							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3288668				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210279

20-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70715	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70715	RunNo: 91700								
Prep Date: 10/10/2022	Analysis Date: 10/11/2022	SeqNo: 3288668	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.7	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210279

20-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-70706	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70706		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286496		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.6	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: mb-70706	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70706		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286497		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.8	37.7	212			

Sample ID: ics-70709	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70709		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286520		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	88.4	72.3	137			
Surr: BFB	1900		1000		194	37.7	212			

Sample ID: mb-70709	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70709		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286521		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.9	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210279

20-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-70706	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70706		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286544		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.9	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.4	70	130			

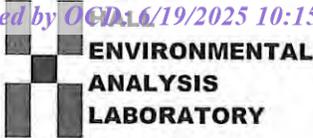
Sample ID: mb-70706	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70706		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286545		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Sample ID: ics-70709	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70709		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286568		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	106	80	120			
Toluene	1.1	0.050	1.000	0	105	80	120			
Ethylbenzene	1.0	0.050	1.000	0	105	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	70	130			

Sample ID: mb-70709	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70709		RunNo: 91709							
Prep Date: 10/10/2022	Analysis Date: 10/11/2022		SeqNo: 3286569		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Sample Log-In Check List

Client Name: EOG Work Order Number: 2210279 RcptNo: 1

Received By: Juan Rojas 10/6/2022 7:15:00 AM *Juan Rojas*
Completed By: Sean Livingston 10/6/2022 8:04:32 AM *Sean Livingston*
Reviewed By: *JML 10/6/22*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *KPG 10-6-22*

Special Handling (if applicable)

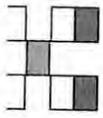
- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified:	_____	Date:	_____
By Whom:	_____	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	_____		
Client Instructions:	_____		

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	Good				



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

EOG 5 DAY TAT

Standard Rush

Project Name:

Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 5.4 to 5.5

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-4-20	1302	Soil	B-32	1x4oz Jar	ICE	013
	1304		B-33			014
	1306		B-34			015
	1308		B-35			016
	1320		B-36			017
	1322		B-37			018
	1324		B-38			019
	1326		B-39			020
	1328		B-40			021
	1330		B-41			022
	1332		B-42			023
	1334		B-43			024

Received by: *[Signature]* Date: 10/5/20 8:18
 Relinquished by: J. Martinez Date: 10/5/20 8:18
 Received by: *[Signature]* Date: 10/6/20 7:15
 Relinquished by: *[Signature]* Date: 10/6/20 7:15

BTEX (8021) X X X
 TPH:8015D(GRO / DRO / MRO) X X X
 Chloride (EPA 300) X X X

Remarks: Bill to EOG Artesia

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 25, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: ROY SWD 3

OrderNo.: 2210716

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 5 sample(s) on 10/14/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210716**

Date Reported: **10/25/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-1

Project: ROY SWD 3

Collection Date: 10/12/2022 9:30:00 AM

Lab ID: 2210716-001

Matrix: SOIL

Received Date: 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	70	60		mg/Kg	20	10/21/2022 1:42:12 AM	70971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/18/2022 10:52:04 AM	70879
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/18/2022 10:52:04 AM	70879
Surr: DNOP	143	21-129	S	%Rec	1	10/18/2022 10:52:04 AM	70879
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2022 3:38:33 AM	70842
Surr: BFB	87.1	37.7-212		%Rec	1	10/19/2022 3:38:33 AM	70842
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 3:38:33 AM	70842
Toluene	ND	0.048		mg/Kg	1	10/19/2022 3:38:33 AM	70842
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2022 3:38:33 AM	70842
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2022 3:38:33 AM	70842
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/19/2022 3:38:33 AM	70842

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2210716

Date Reported: 10/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-6

Project: ROY SWD 3

Collection Date: 10/12/2022 9:54:00 AM

Lab ID: 2210716-002

Matrix: SOIL

Received Date: 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	260	60		mg/Kg	20	10/21/2022 2:19:15 AM	70971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/18/2022 11:02:33 AM	70879
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/18/2022 11:02:33 AM	70879
Surr: DNOP	175	21-129	S	%Rec	1	10/18/2022 11:02:33 AM	70879
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2022 4:02:04 AM	70842
Surr: BFB	85.8	37.7-212		%Rec	1	10/19/2022 4:02:04 AM	70842
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2022 4:02:04 AM	70842
Toluene	ND	0.049		mg/Kg	1	10/19/2022 4:02:04 AM	70842
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2022 4:02:04 AM	70842
Xylenes, Total	ND	0.099		mg/Kg	1	10/19/2022 4:02:04 AM	70842
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	10/19/2022 4:02:04 AM	70842

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2210716

Date Reported: 10/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-7

Project: ROY SWD 3

Collection Date: 10/12/2022 9:58:00 AM

Lab ID: 2210716-003

Matrix: SOIL

Received Date: 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	210	60		mg/Kg	20	10/21/2022 2:31:35 AM	70971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/18/2022 11:13:03 AM	70879
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/18/2022 11:13:03 AM	70879
Surr: DNOP	148	21-129	S	%Rec	1	10/18/2022 11:13:03 AM	70879
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2022 4:25:37 AM	70842
Surr: BFB	86.8	37.7-212		%Rec	1	10/19/2022 4:25:37 AM	70842
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 4:25:37 AM	70842
Toluene	ND	0.049		mg/Kg	1	10/19/2022 4:25:37 AM	70842
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2022 4:25:37 AM	70842
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2022 4:25:37 AM	70842
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	10/19/2022 4:25:37 AM	70842

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order **2210716**

Date Reported: **10/25/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-2

Project: ROY SWD 3

Collection Date: 10/12/2022 2:22:00 PM

Lab ID: 2210716-004

Matrix: SOIL

Received Date: 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	620	60		mg/Kg	20	10/21/2022 2:43:56 AM	70971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/18/2022 11:23:33 AM	70879
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/18/2022 11:23:33 AM	70879
Surr: DNOP	125	21-129		%Rec	1	10/18/2022 11:23:33 AM	70879
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2022 4:49:10 AM	70842
Surr: BFB	87.8	37.7-212		%Rec	1	10/19/2022 4:49:10 AM	70842
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 4:49:10 AM	70842
Toluene	ND	0.048		mg/Kg	1	10/19/2022 4:49:10 AM	70842
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2022 4:49:10 AM	70842
Xylenes, Total	ND	0.096		mg/Kg	1	10/19/2022 4:49:10 AM	70842
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	10/19/2022 4:49:10 AM	70842

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Analytical Report

Lab Order 2210716

Date Reported: 10/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-5

Project: ROY SWD 3

Collection Date: 10/12/2022 2:28:00 PM

Lab ID: 2210716-005

Matrix: SOIL

Received Date: 10/14/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/21/2022 2:56:17 AM	70971
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/18/2022 11:34:09 AM	70879
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/18/2022 11:34:09 AM	70879
Surr: DNOP	124	21-129		%Rec	1	10/18/2022 11:34:09 AM	70879
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2022 8:21:20 PM	70842
Surr: BFB	90.9	37.7-212		%Rec	1	10/19/2022 8:21:20 PM	70842
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 8:21:20 PM	70842
Toluene	ND	0.048		mg/Kg	1	10/19/2022 8:21:20 PM	70842
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2022 8:21:20 PM	70842
Xylenes, Total	ND	0.097		mg/Kg	1	10/19/2022 8:21:20 PM	70842
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	10/19/2022 8:21:20 PM	70842

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210716

25-Oct-22

Client: EOG
Project: ROY SWD 3

Sample ID: MB-70971	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70971	RunNo: 91958								
Prep Date: 10/20/2022	Analysis Date: 10/20/2022	SeqNo: 3299575	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70971	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70971	RunNo: 91958								
Prep Date: 10/20/2022	Analysis Date: 10/20/2022	SeqNo: 3299576	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.3	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210716

25-Oct-22

Client: EOG
Project: ROY SWD 3

Sample ID: LCS-70879	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70879	RunNo: 91878								
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294924	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	15	50.00	0	114	64.4	127			
Surr: DNOP	6.0		5.000		121	21	129			

Sample ID: LCSD-70879	SampType: LCSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS02	Batch ID: 70879	RunNo: 91878								
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294925	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	107	64.4	127	6.07	20	
Surr: DNOP	5.7		5.000		113	21	129	0	0	

Sample ID: MB-70879	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70879	RunNo: 91878								
Prep Date: 10/17/2022	Analysis Date: 10/18/2022	SeqNo: 3294926	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		142	21	129			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210716

25-Oct-22

Client: EOG
Project: ROY SWD 3

Sample ID: mb-70842	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70842		RunNo: 91887							
Prep Date: 10/14/2022	Analysis Date: 10/19/2022		SeqNo: 3295395		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		90.0	37.7	212			

Sample ID: ics-70842	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70842		RunNo: 91887							
Prep Date: 10/14/2022	Analysis Date: 10/18/2022		SeqNo: 3295396		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	72.3	137			
Surr: BFB	2300		1000		229	37.7	212			S

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210716

25-Oct-22

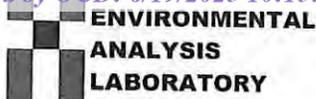
Client: EOG
Project: ROY SWD 3

Sample ID: mb-70842	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 70842	RunNo: 91887								
Prep Date: 10/14/2022	Analysis Date: 10/19/2022	SeqNo: 3295443	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	70	130			

Sample ID: LCS-70842	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 70842	RunNo: 91887								
Prep Date: 10/14/2022	Analysis Date: 10/18/2022	SeqNo: 3295444	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	99.1	80	120			
Toluene	1.0	0.050	1.000	0	99.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	102	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



4901 Hawkins NE

Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2210716

RcptNo: 1

Received By: Tracy Casarrubias 10/14/2022 7:15:00 AM

Completed By: Tracy Casarrubias 10/14/2022 9:22:45 AM

Reviewed By: KPH 10/14/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes No
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes No

of preserved bottles checked for pH: _____
 (≤2 or >12 unless noted)
 Adjusted? _____
 Checked by: KPH 10/14/22

Special Handling (if applicable)

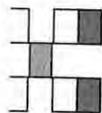
- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	12.9	Good	Yes			
2	3.1	Good	Yes			
3	2.3	Good	Yes			
4	1.4	Good	Yes			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTX (8021)	Y	X	X
TPH:8015D(GRO / DRO / MRO)	Y	X	X
Chloride (EPA 300)			

Project Name: Roy SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf

Sampler: J. Martinez
 On Ice: Yes No
 # of Coolers: 4

Cooler Temp (including GF): See Checksheet

Container Type and #	Preservative Type	HEAL No.
<u>1/42 Jar</u>	<u>ICE</u>	<u>2210716</u>
<u>↓</u>	<u>↓</u>	<u>001</u>
<u>↓</u>	<u>↓</u>	<u>002</u>
<u>↓</u>	<u>↓</u>	<u>003</u>
<u>↓</u>	<u>↓</u>	<u>004</u>
<u>↓</u>	<u>↓</u>	<u>005</u>

Date	Time	Matrix	Sample Name
<u>10-12-20</u>	<u>0930</u>	<u>Soil</u>	<u>EW-1</u>
<u>↓</u>	<u>0954</u>	<u>↓</u>	<u>EW-6</u>
<u>↓</u>	<u>0958</u>	<u>↓</u>	<u>EW-7</u>
<u>↓</u>	<u>1422</u>	<u>↓</u>	<u>EW-2</u>
<u>↓</u>	<u>1428</u>	<u>↓</u>	<u>EW-5</u>

Remarks: Bill to EOG Artesia

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) Excel

Received by: J. Martinez Date: 10/13/22 Time: 0804
 Received by: W. Kierdorf Date: 10/14/22 Time: 7:15

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 27, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2210783

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 10/15/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210783**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-4

Project: Roy SWD 3

Collection Date: 10/13/2022 9:52:00 AM

Lab ID: 2210783-001

Matrix: SOIL

Received Date: 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	61		mg/Kg	20	10/21/2022 1:11:11 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/24/2022 10:15:09 AM	70950
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/24/2022 10:15:09 AM	70950
Surr: DNOP	95.4	21-129		%Rec	1	10/24/2022 10:15:09 AM	70950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/18/2022 3:18:00 PM	70872
Surr: BFB	94.7	37.7-212		%Rec	1	10/18/2022 3:18:00 PM	70872
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	10/18/2022 3:18:00 PM	70872
Toluene	ND	0.047		mg/Kg	1	10/18/2022 3:18:00 PM	70872
Ethylbenzene	ND	0.047		mg/Kg	1	10/18/2022 3:18:00 PM	70872
Xylenes, Total	ND	0.094		mg/Kg	1	10/18/2022 3:18:00 PM	70872
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/18/2022 3:18:00 PM	70872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210783**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3E

Project: Roy SWD 3

Collection Date: 10/13/2022 4:00:00 PM

Lab ID: 2210783-002

Matrix: SOIL

Received Date: 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	850	60		mg/Kg	20	10/21/2022 1:48:24 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/24/2022 10:28:11 AM	70950
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2022 10:28:11 AM	70950
Surr: DNOP	113	21-129		%Rec	1	10/24/2022 10:28:11 AM	70950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/18/2022 3:38:00 PM	70872
Surr: BFB	94.1	37.7-212		%Rec	1	10/18/2022 3:38:00 PM	70872
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/18/2022 3:38:00 PM	70872
Toluene	ND	0.049		mg/Kg	1	10/18/2022 3:38:00 PM	70872
Ethylbenzene	ND	0.049		mg/Kg	1	10/18/2022 3:38:00 PM	70872
Xylenes, Total	ND	0.098		mg/Kg	1	10/18/2022 3:38:00 PM	70872
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/18/2022 3:38:00 PM	70872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210783**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3W

Project: Roy SWD 3

Collection Date: 10/13/2022 4:04:00 PM

Lab ID: 2210783-003

Matrix: SOIL

Received Date: 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	60		mg/Kg	20	10/21/2022 2:00:49 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/24/2022 10:41:11 AM	70950
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2022 10:41:11 AM	70950
Surr: DNOP	102	21-129		%Rec	1	10/24/2022 10:41:11 AM	70950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 3:57:00 PM	70872
Surr: BFB	96.7	37.7-212		%Rec	1	10/18/2022 3:57:00 PM	70872
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/18/2022 3:57:00 PM	70872
Toluene	ND	0.048		mg/Kg	1	10/18/2022 3:57:00 PM	70872
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 3:57:00 PM	70872
Xylenes, Total	ND	0.097		mg/Kg	1	10/18/2022 3:57:00 PM	70872
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/18/2022 3:57:00 PM	70872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210783**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-4A

Project: Roy SWD 3

Collection Date: 10/13/2022 11:40:00 AM

Lab ID: 2210783-004

Matrix: SOIL

Received Date: 10/15/2022 8:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	340	60		mg/Kg	20	10/21/2022 2:13:13 PM	70978
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/24/2022 10:54:11 AM	70950
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/24/2022 10:54:11 AM	70950
Surr: DNOP	100	21-129		%Rec	1	10/24/2022 10:54:11 AM	70950
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/18/2022 4:36:00 PM	70872
Surr: BFB	90.4	37.7-212		%Rec	1	10/18/2022 4:36:00 PM	70872
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/18/2022 4:36:00 PM	70872
Toluene	ND	0.048		mg/Kg	1	10/18/2022 4:36:00 PM	70872
Ethylbenzene	ND	0.048		mg/Kg	1	10/18/2022 4:36:00 PM	70872
Xylenes, Total	ND	0.096		mg/Kg	1	10/18/2022 4:36:00 PM	70872
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/18/2022 4:36:00 PM	70872

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210783

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70978	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 70978	RunNo: 92015								
Prep Date: 10/21/2022	Analysis Date: 10/21/2022	SeqNo: 3301674	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-70978	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 70978	RunNo: 92015								
Prep Date: 10/21/2022	Analysis Date: 10/21/2022	SeqNo: 3301675	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210783

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70950	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70950	RunNo: 92021								
Prep Date: 10/20/2022	Analysis Date: 10/24/2022	SeqNo: 3301917	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.0	21	129			

Sample ID: LCS-70950	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70950	RunNo: 92021								
Prep Date: 10/20/2022	Analysis Date: 10/24/2022	SeqNo: 3301919	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	15	50.00	0	114	64.4	127			
Surr: DNOP	5.3		5.000		105	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210783

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-70872	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70872		RunNo: 91908							
Prep Date: 10/17/2022	Analysis Date: 10/18/2022		SeqNo: 3296480				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.3	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: mb-70872	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70872		RunNo: 91908							
Prep Date: 10/17/2022	Analysis Date: 10/18/2022		SeqNo: 3296481				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.6	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210783

27-Oct-22

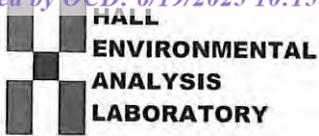
Client: EOG
Project: Roy SWD 3

Sample ID: ics-70872	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70872		RunNo: 91908							
Prep Date: 10/17/2022	Analysis Date: 10/18/2022		SeqNo: 3296544		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	80	120			
Toluene	1.1	0.050	1.000	0	111	80	120			
Ethylbenzene	1.1	0.050	1.000	0	112	80	120			
Xylenes, Total	3.3	0.10	3.000	0	109	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Sample ID: mb-70872	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70872		RunNo: 91908							
Prep Date: 10/17/2022	Analysis Date: 10/18/2022		SeqNo: 3296545		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG

Work Order Number: 2210783

RcptNo: 1

Received By: Cheyenne Cason 10/15/2022 8:40:00 AM

Handwritten signature

Completed By: Cheyenne Cason 10/15/2022 9:42:51 AM

Handwritten signature

Reviewed By: jn 10/17/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by [signature] 15/10/2022

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.1, Good, Not Present, [], [], []

Chain-of-Custody Record

Client: Ranger / EOG

Mailing Address: on file

Phone #: _____

email or Fax#: _____

QA/QC Package:
 Standard Level 4 (Full Validation)
 Az Compliance
 NELAC Other
 EDD (Type) _____

Turn-Around Time: EOG 5 DAY TAT

Standard Rush

Project Name: ROY SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CP): 1.1 - 0.2.1 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-13-04	0952	Soil	EW-4	1x4oz jar	ICE	2210783
	1600		EW-3E			001
	1604		EW-3W			002
	1746		W-4A			003
						004

Analysis Request

BTX / MTBE / TMBs (8021)	Y	
TPH:8015D(GRO / DRO / MRO)	Y	
8081 Pesticides/8082 PCBs	Y	
EDB (Method 504.1)		
PAHs by 8310 or 8270SIMS		
RCRA 8 Metals		
(Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄)	X	
8260 (VOA)		
8270 (Semi-VOA)		
Total Coliform (Present/Absent)		

Remarks:

Received by: Alumina Date: 10/14/08 Time: 810

Relinquished by: J. Martinez

Received by: Eric Carter Date: 10/15/08 Time: 0840

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 27, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2210839

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 26 sample(s) on 10/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a white background.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-1

Project: Roy SWD 3

Collection Date: 10/14/2022 1:30:00 PM

Lab ID: 2210839-001

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	92	60		mg/Kg	20	10/24/2022 9:01:52 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/20/2022 8:24:22 AM	70929
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/20/2022 8:24:22 AM	70929
Surr: DNOP	91.4	21-129		%Rec	1	10/20/2022 8:24:22 AM	70929
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2022 4:48:56 PM	70900
Surr: BFB	90.2	37.7-212		%Rec	1	10/19/2022 4:48:56 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2022 4:48:56 PM	70900
Toluene	ND	0.049		mg/Kg	1	10/19/2022 4:48:56 PM	70900
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2022 4:48:56 PM	70900
Xylenes, Total	ND	0.098		mg/Kg	1	10/19/2022 4:48:56 PM	70900
Surr: 4-Bromofluorobenzene	97.0	70-130		%Rec	1	10/19/2022 4:48:56 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2

Project: Roy SWD 3

Collection Date: 10/14/2022 1:32:00 PM

Lab ID: 2210839-002

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	10/25/2022 8:00:15 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/20/2022 8:48:02 AM	70929
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/20/2022 8:48:02 AM	70929
Surr: DNOP	102	21-129		%Rec	1	10/20/2022 8:48:02 AM	70929
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2022 8:44:55 PM	70900
Surr: BFB	87.8	37.7-212		%Rec	1	10/19/2022 8:44:55 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 8:44:55 PM	70900
Toluene	ND	0.047		mg/Kg	1	10/19/2022 8:44:55 PM	70900
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2022 8:44:55 PM	70900
Xylenes, Total	ND	0.095		mg/Kg	1	10/19/2022 8:44:55 PM	70900
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	10/19/2022 8:44:55 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3

Project: Roy SWD 3

Collection Date: 10/14/2022 1:34:00 PM

Lab ID: 2210839-003

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3600	150		mg/Kg	50	10/25/2022 8:12:39 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: mb
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	10/20/2022 9:11:47 AM	70929
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/20/2022 9:11:47 AM	70929
Surr: DNOP	99.9	21-129		%Rec	1	10/20/2022 9:11:47 AM	70929
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/19/2022 9:08:34 PM	70900
Surr: BFB	85.0	37.7-212		%Rec	1	10/19/2022 9:08:34 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/19/2022 9:08:34 PM	70900
Toluene	ND	0.046		mg/Kg	1	10/19/2022 9:08:34 PM	70900
Ethylbenzene	ND	0.046		mg/Kg	1	10/19/2022 9:08:34 PM	70900
Xylenes, Total	ND	0.092		mg/Kg	1	10/19/2022 9:08:34 PM	70900
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	10/19/2022 9:08:34 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4

Project: Roy SWD 3

Collection Date: 10/14/2022 1:36:00 PM

Lab ID: 2210839-004

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	10/24/2022 11:20:35 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 8:45:36 AM	70941
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 8:45:36 AM	70941
Surr: DNOP	91.1	21-129		%Rec	1	10/21/2022 8:45:36 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/19/2022 9:32:09 PM	70900
Surr: BFB	85.4	37.7-212		%Rec	1	10/19/2022 9:32:09 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2022 9:32:09 PM	70900
Toluene	ND	0.049		mg/Kg	1	10/19/2022 9:32:09 PM	70900
Ethylbenzene	ND	0.049		mg/Kg	1	10/19/2022 9:32:09 PM	70900
Xylenes, Total	ND	0.098		mg/Kg	1	10/19/2022 9:32:09 PM	70900
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	10/19/2022 9:32:09 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5

Project: Roy SWD 3

Collection Date: 10/14/2022 1:38:00 PM

Lab ID: 2210839-005

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3000	150		mg/Kg	50	10/25/2022 8:25:04 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 9:17:18 AM	70941
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/21/2022 9:17:18 AM	70941
Surr: DNOP	83.6	21-129		%Rec	1	10/21/2022 9:17:18 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2022 9:55:41 PM	70900
Surr: BFB	86.5	37.7-212		%Rec	1	10/19/2022 9:55:41 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2022 9:55:41 PM	70900
Toluene	ND	0.050		mg/Kg	1	10/19/2022 9:55:41 PM	70900
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2022 9:55:41 PM	70900
Xylenes, Total	ND	0.10		mg/Kg	1	10/19/2022 9:55:41 PM	70900
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	10/19/2022 9:55:41 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6

Project: Roy SWD 3

Collection Date: 10/14/2022 1:42:00 PM

Lab ID: 2210839-006

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	720	60		mg/Kg	20	10/24/2022 11:45:24 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 9:27:54 AM	70941
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/21/2022 9:27:54 AM	70941
Surr: DNOP	66.9	21-129		%Rec	1	10/21/2022 9:27:54 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/19/2022 10:19:15 PM	70900
Surr: BFB	86.9	37.7-212		%Rec	1	10/19/2022 10:19:15 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/19/2022 10:19:15 PM	70900
Toluene	ND	0.047		mg/Kg	1	10/19/2022 10:19:15 PM	70900
Ethylbenzene	ND	0.047		mg/Kg	1	10/19/2022 10:19:15 PM	70900
Xylenes, Total	ND	0.094		mg/Kg	1	10/19/2022 10:19:15 PM	70900
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	10/19/2022 10:19:15 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-7

Project: Roy SWD 3

Collection Date: 10/14/2022 1:46:00 PM

Lab ID: 2210839-007

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	210	60		mg/Kg	20	10/24/2022 11:57:48 AM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 9:38:39 AM	70941
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/21/2022 9:38:39 AM	70941
Surr: DNOP	86.9	21-129		%Rec	1	10/21/2022 9:38:39 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/19/2022 10:42:50 PM	70900
Surr: BFB	84.3	37.7-212		%Rec	1	10/19/2022 10:42:50 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/19/2022 10:42:50 PM	70900
Toluene	ND	0.050		mg/Kg	1	10/19/2022 10:42:50 PM	70900
Ethylbenzene	ND	0.050		mg/Kg	1	10/19/2022 10:42:50 PM	70900
Xylenes, Total	ND	0.10		mg/Kg	1	10/19/2022 10:42:50 PM	70900
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	10/19/2022 10:42:50 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8

Project: Roy SWD 3

Collection Date: 10/14/2022 1:48:00 PM

Lab ID: 2210839-008

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	150	60		mg/Kg	20	10/24/2022 12:10:12 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 9:49:24 AM	70941
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/21/2022 9:49:24 AM	70941
Surr: DNOP	83.0	21-129		%Rec	1	10/21/2022 9:49:24 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/19/2022 11:53:29 PM	70900
Surr: BFB	86.5	37.7-212		%Rec	1	10/19/2022 11:53:29 PM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/19/2022 11:53:29 PM	70900
Toluene	ND	0.048		mg/Kg	1	10/19/2022 11:53:29 PM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/19/2022 11:53:29 PM	70900
Xylenes, Total	ND	0.096		mg/Kg	1	10/19/2022 11:53:29 PM	70900
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	10/19/2022 11:53:29 PM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9

Project: Roy SWD 3

Collection Date: 10/14/2022 1:50:00 PM

Lab ID: 2210839-009

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	140	60		mg/Kg	20	10/24/2022 12:22:36 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 10:00:09 AM	70941
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/21/2022 10:00:09 AM	70941
Surr: DNOP	89.6	21-129		%Rec	1	10/21/2022 10:00:09 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 12:16:58 AM	70900
Surr: BFB	86.0	37.7-212		%Rec	1	10/20/2022 12:16:58 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 12:16:58 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 12:16:58 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 12:16:58 AM	70900
Xylenes, Total	ND	0.095		mg/Kg	1	10/20/2022 12:16:58 AM	70900
Surr: 4-Bromofluorobenzene	92.7	70-130		%Rec	1	10/20/2022 12:16:58 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10

Project: Roy SWD 3

Collection Date: 10/14/2022 1:52:00 PM

Lab ID: 2210839-010

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	360	60		mg/Kg	20	10/24/2022 12:35:01 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 10:10:53 AM	70941
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/21/2022 10:10:53 AM	70941
Surr: DNOP	90.1	21-129		%Rec	1	10/21/2022 10:10:53 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2022 12:40:22 AM	70900
Surr: BFB	88.0	37.7-212		%Rec	1	10/20/2022 12:40:22 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 12:40:22 AM	70900
Toluene	ND	0.049		mg/Kg	1	10/20/2022 12:40:22 AM	70900
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2022 12:40:22 AM	70900
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2022 12:40:22 AM	70900
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	10/20/2022 12:40:22 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- | | |
|---|---|
| * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| PQL Practical Quantitative Limit | RL Reporting Limit |
| S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11

Project: Roy SWD 3

Collection Date: 10/14/2022 1:54:00 PM

Lab ID: 2210839-011

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	180	60		mg/Kg	20	10/24/2022 12:47:25 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 10:21:36 AM	70941
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/21/2022 10:21:36 AM	70941
Surr: DNOP	68.4	21-129		%Rec	1	10/21/2022 10:21:36 AM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 1:03:58 AM	70900
Surr: BFB	88.8	37.7-212		%Rec	1	10/20/2022 1:03:58 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 1:03:58 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 1:03:58 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 1:03:58 AM	70900
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2022 1:03:58 AM	70900
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	10/20/2022 1:03:58 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12

Project: Roy SWD 3

Collection Date: 10/14/2022 1:58:00 PM

Lab ID: 2210839-012

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	10/24/2022 12:59:49 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 4:43:05 PM	70941
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/21/2022 4:43:05 PM	70941
Surr: DNOP	105	21-129		%Rec	1	10/21/2022 4:43:05 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2022 1:27:32 AM	70900
Surr: BFB	87.4	37.7-212		%Rec	1	10/20/2022 1:27:32 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2022 1:27:32 AM	70900
Toluene	ND	0.050		mg/Kg	1	10/20/2022 1:27:32 AM	70900
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2022 1:27:32 AM	70900
Xylenes, Total	ND	0.099		mg/Kg	1	10/20/2022 1:27:32 AM	70900
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	10/20/2022 1:27:32 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13

Project: Roy SWD 3

Collection Date: 10/14/2022 2:02:00 PM

Lab ID: 2210839-013

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	61		mg/Kg	20	10/24/2022 1:37:04 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 4:54:02 PM	70941
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 4:54:02 PM	70941
Surr: DNOP	92.8	21-129		%Rec	1	10/21/2022 4:54:02 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2022 1:51:04 AM	70900
Surr: BFB	87.6	37.7-212		%Rec	1	10/20/2022 1:51:04 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 1:51:04 AM	70900
Toluene	ND	0.047		mg/Kg	1	10/20/2022 1:51:04 AM	70900
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2022 1:51:04 AM	70900
Xylenes, Total	ND	0.094		mg/Kg	1	10/20/2022 1:51:04 AM	70900
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	10/20/2022 1:51:04 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14

Project: Roy SWD 3

Collection Date: 10/14/2022 2:04:00 PM

Lab ID: 2210839-014

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	90	60		mg/Kg	20	10/24/2022 1:49:28 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	10/21/2022 5:04:58 PM	70941
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/21/2022 5:04:58 PM	70941
Surr: DNOP	96.8	21-129		%Rec	1	10/21/2022 5:04:58 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 2:14:32 AM	70900
Surr: BFB	91.9	37.7-212		%Rec	1	10/20/2022 2:14:32 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 2:14:32 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 2:14:32 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 2:14:32 AM	70900
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2022 2:14:32 AM	70900
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	10/20/2022 2:14:32 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15

Project: Roy SWD 3

Collection Date: 10/14/2022 2:10:00 PM

Lab ID: 2210839-015

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	160	60		mg/Kg	20	10/24/2022 2:01:52 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 5:15:54 PM	70941
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 5:15:54 PM	70941
Surr: DNOP	119	21-129		%Rec	1	10/21/2022 5:15:54 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2022 2:37:58 AM	70900
Surr: BFB	91.0	37.7-212		%Rec	1	10/20/2022 2:37:58 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 2:37:58 AM	70900
Toluene	ND	0.047		mg/Kg	1	10/20/2022 2:37:58 AM	70900
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2022 2:37:58 AM	70900
Xylenes, Total	ND	0.094		mg/Kg	1	10/20/2022 2:37:58 AM	70900
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	10/20/2022 2:37:58 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16

Project: Roy SWD 3

Collection Date: 10/14/2022 2:12:00 PM

Lab ID: 2210839-016

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	670	60		mg/Kg	20	10/24/2022 2:14:16 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 5:26:46 PM	70941
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/21/2022 5:26:46 PM	70941
Surr: DNOP	69.7	21-129		%Rec	1	10/21/2022 5:26:46 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 3:01:36 AM	70900
Surr: BFB	91.5	37.7-212		%Rec	1	10/20/2022 3:01:36 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 3:01:36 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 3:01:36 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 3:01:36 AM	70900
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2022 3:01:36 AM	70900
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	10/20/2022 3:01:36 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17

Project: Roy SWD 3

Collection Date: 10/14/2022 2:18:00 PM

Lab ID: 2210839-017

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	59		mg/Kg	20	10/24/2022 2:26:41 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 5:48:27 PM	70941
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/21/2022 5:48:27 PM	70941
Surr: DNOP	86.3	21-129		%Rec	1	10/21/2022 5:48:27 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2022 3:25:08 AM	70900
Surr: BFB	93.2	37.7-212		%Rec	1	10/20/2022 3:25:08 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	10/20/2022 3:25:08 AM	70900
Toluene	ND	0.047		mg/Kg	1	10/20/2022 3:25:08 AM	70900
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2022 3:25:08 AM	70900
Xylenes, Total	ND	0.094		mg/Kg	1	10/20/2022 3:25:08 AM	70900
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	10/20/2022 3:25:08 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-18

Project: Roy SWD 3

Collection Date: 10/14/2022 2:20:00 PM

Lab ID: 2210839-018

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	210	60		mg/Kg	20	10/24/2022 2:39:06 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 5:59:23 PM	70941
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 5:59:23 PM	70941
Surr: DNOP	77.1	21-129		%Rec	1	10/21/2022 5:59:23 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 4:12:08 AM	70900
Surr: BFB	88.9	37.7-212		%Rec	1	10/20/2022 4:12:08 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 4:12:08 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 4:12:08 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 4:12:08 AM	70900
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2022 4:12:08 AM	70900
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	10/20/2022 4:12:08 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-19

Project: Roy SWD 3

Collection Date: 10/14/2022 2:22:00 PM

Lab ID: 2210839-019

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	10/24/2022 2:51:30 PM	71009
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 6:10:21 PM	70941
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/21/2022 6:10:21 PM	70941
Surr: DNOP	83.1	21-129		%Rec	1	10/21/2022 6:10:21 PM	70941
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 4:35:44 AM	70900
Surr: BFB	92.7	37.7-212		%Rec	1	10/20/2022 4:35:44 AM	70900
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 4:35:44 AM	70900
Toluene	ND	0.048		mg/Kg	1	10/20/2022 4:35:44 AM	70900
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 4:35:44 AM	70900
Xylenes, Total	ND	0.095		mg/Kg	1	10/20/2022 4:35:44 AM	70900
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/20/2022 4:35:44 AM	70900

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- | | |
|---|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of standard limits. If undiluted results may be estimated. | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit |
|---|---|

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-20

Project: Roy SWD 3

Collection Date: 10/14/2022 3:00:00 PM

Lab ID: 2210839-020

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	110	59		mg/Kg	20	10/24/2022 9:25:34 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 11:37:00 AM	70958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/21/2022 11:37:00 AM	70958
Surr: DNOP	105	21-129		%Rec	1	10/21/2022 11:37:00 AM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2022 11:38:04 AM	70903
Surr: BFB	92.2	37.7-212		%Rec	1	10/20/2022 11:38:04 AM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 11:38:04 AM	70903
Toluene	ND	0.049		mg/Kg	1	10/20/2022 11:38:04 AM	70903
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2022 11:38:04 AM	70903
Xylenes, Total	ND	0.097		mg/Kg	1	10/20/2022 11:38:04 AM	70903
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	10/20/2022 11:38:04 AM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- | | |
|---|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of standard limits. If undiluted results may be estimated. | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit |
|---|---|

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-21

Project: Roy SWD 3

Collection Date: 10/14/2022 3:02:00 PM

Lab ID: 2210839-021

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	630	60		mg/Kg	20	10/24/2022 9:37:54 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 12:16:52 PM	70958
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 12:16:52 PM	70958
Surr: DNOP	96.9	21-129		%Rec	1	10/21/2022 12:16:52 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/20/2022 12:48:33 PM	70903
Surr: BFB	93.6	37.7-212		%Rec	1	10/20/2022 12:48:33 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 12:48:33 PM	70903
Toluene	ND	0.047		mg/Kg	1	10/20/2022 12:48:33 PM	70903
Ethylbenzene	ND	0.047		mg/Kg	1	10/20/2022 12:48:33 PM	70903
Xylenes, Total	ND	0.094		mg/Kg	1	10/20/2022 12:48:33 PM	70903
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/20/2022 12:48:33 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-22

Project: Roy SWD 3

Collection Date: 10/14/2022 3:04:00 PM

Lab ID: 2210839-022

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1600	60		mg/Kg	20	10/24/2022 10:14:56 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 12:30:14 PM	70958
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/21/2022 12:30:14 PM	70958
Surr: DNOP	97.4	21-129		%Rec	1	10/21/2022 12:30:14 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 1:59:14 PM	70903
Surr: BFB	88.9	37.7-212		%Rec	1	10/20/2022 1:59:14 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 1:59:14 PM	70903
Toluene	ND	0.048		mg/Kg	1	10/20/2022 1:59:14 PM	70903
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 1:59:14 PM	70903
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2022 1:59:14 PM	70903
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	10/20/2022 1:59:14 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-23

Project: Roy SWD 3

Collection Date: 10/14/2022 3:06:00 PM

Lab ID: 2210839-023

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	87	60		mg/Kg	20	10/24/2022 10:51:57 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 12:43:32 PM	70958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/21/2022 12:43:32 PM	70958
Surr: DNOP	91.0	21-129		%Rec	1	10/21/2022 12:43:32 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 2:22:41 PM	70903
Surr: BFB	88.5	37.7-212		%Rec	1	10/20/2022 2:22:41 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 2:22:41 PM	70903
Toluene	ND	0.048		mg/Kg	1	10/20/2022 2:22:41 PM	70903
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 2:22:41 PM	70903
Xylenes, Total	ND	0.095		mg/Kg	1	10/20/2022 2:22:41 PM	70903
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	10/20/2022 2:22:41 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-24

Project: Roy SWD 3

Collection Date: 10/14/2022 3:08:00 PM

Lab ID: 2210839-024

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	600	61		mg/Kg	20	10/24/2022 11:29:00 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 12:56:49 PM	70958
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/21/2022 12:56:49 PM	70958
Surr: DNOP	80.6	21-129		%Rec	1	10/21/2022 12:56:49 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/20/2022 2:46:07 PM	70903
Surr: BFB	94.5	37.7-212		%Rec	1	10/20/2022 2:46:07 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 2:46:07 PM	70903
Toluene	ND	0.049		mg/Kg	1	10/20/2022 2:46:07 PM	70903
Ethylbenzene	ND	0.049		mg/Kg	1	10/20/2022 2:46:07 PM	70903
Xylenes, Total	ND	0.098		mg/Kg	1	10/20/2022 2:46:07 PM	70903
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/20/2022 2:46:07 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-25

Project: Roy SWD 3

Collection Date: 10/14/2022 3:10:00 PM

Lab ID: 2210839-025

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	520	60		mg/Kg	20	10/24/2022 11:41:20 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 1:10:12 PM	70958
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/21/2022 1:10:12 PM	70958
Surr: DNOP	69.6	21-129		%Rec	1	10/21/2022 1:10:12 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/20/2022 3:09:30 PM	70903
Surr: BFB	90.6	37.7-212		%Rec	1	10/20/2022 3:09:30 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	10/20/2022 3:09:30 PM	70903
Toluene	ND	0.050		mg/Kg	1	10/20/2022 3:09:30 PM	70903
Ethylbenzene	ND	0.050		mg/Kg	1	10/20/2022 3:09:30 PM	70903
Xylenes, Total	ND	0.10		mg/Kg	1	10/20/2022 3:09:30 PM	70903
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	10/20/2022 3:09:30 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order **2210839**

Date Reported: **10/27/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-26

Project: Roy SWD 3

Collection Date: 10/14/2022 3:11:00 PM

Lab ID: 2210839-026

Matrix: SOIL

Received Date: 10/18/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	10/24/2022 11:53:41 AM	71010
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	10/21/2022 1:23:48 PM	70958
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/21/2022 1:23:48 PM	70958
Surr: DNOP	72.0	21-129		%Rec	1	10/21/2022 1:23:48 PM	70958
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/20/2022 4:43:32 PM	70903
Surr: BFB	91.0	37.7-212		%Rec	1	10/20/2022 4:43:32 PM	70903
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	10/20/2022 4:43:32 PM	70903
Toluene	ND	0.048		mg/Kg	1	10/20/2022 4:43:32 PM	70903
Ethylbenzene	ND	0.048		mg/Kg	1	10/20/2022 4:43:32 PM	70903
Xylenes, Total	ND	0.096		mg/Kg	1	10/20/2022 4:43:32 PM	70903
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	10/20/2022 4:43:32 PM	70903

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

- | | |
|---|---|
| <ul style="list-style-type: none"> * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix H Holding times for preparation or analysis exceeded ND Not Detected at the Reporting Limit PQL Practical Quantitative Limit S % Recovery outside of standard limits. If undiluted results may be estimated. | <ul style="list-style-type: none"> B Analyte detected in the associated Method Blank E Above Quantitation Range/Estimated Value J Analyte detected below quantitation limits P Sample pH Not In Range RL Reporting Limit |
|---|---|

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210839

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71009	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71009	RunNo: 92018								
Prep Date: 10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3302943	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71009	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71009	RunNo: 92018								
Prep Date: 10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3302944	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Sample ID: MB-71010	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71010	RunNo: 92046								
Prep Date: 10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303044	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71010	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71010	RunNo: 92046								
Prep Date: 10/24/2022	Analysis Date: 10/24/2022	SeqNo: 3303045	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	101	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210839

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-70929	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70929	RunNo: 91900								
Prep Date: 10/19/2022	Analysis Date: 10/20/2022	SeqNo: 3298010	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	21	129			

Sample ID: LCS-70929	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70929	RunNo: 91900								
Prep Date: 10/19/2022	Analysis Date: 10/20/2022	SeqNo: 3298011	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	46	15	50.00	0	92.3	64.4	127			
Surr: DNOP	4.6		5.000		92.4	21	129			

Sample ID: MB-70941	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70941	RunNo: 91947								
Prep Date: 10/19/2022	Analysis Date: 10/20/2022	SeqNo: 3298586	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.6	21	129			

Sample ID: LCS-70941	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 70941	RunNo: 91947								
Prep Date: 10/19/2022	Analysis Date: 10/20/2022	SeqNo: 3298588	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	48	15	50.00	0	96.8	64.4	127			
Surr: DNOP	4.9		5.000		98.0	21	129			

Sample ID: MB-70958	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 70958	RunNo: 91984								
Prep Date: 10/20/2022	Analysis Date: 10/21/2022	SeqNo: 3300313	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		114	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210839

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-70958	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70958		RunNo: 91984							
Prep Date: 10/20/2022	Analysis Date: 10/21/2022		SeqNo: 3300314		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	15	50.00	0	108	64.4	127			
Surr: DNOP	5.2		5.000		104	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210839

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-70900	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70900		RunNo: 91905							
Prep Date: 10/18/2022	Analysis Date: 10/19/2022		SeqNo: 3297276		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		86.7	37.7	212			

Sample ID: lcs-70900	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70900		RunNo: 91905							
Prep Date: 10/18/2022	Analysis Date: 10/19/2022		SeqNo: 3297277		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	72.3	137			
Surr: BFB	1800		1000		182	37.7	212			

Sample ID: mb-70903	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 70903		RunNo: 91963							
Prep Date: 10/18/2022	Analysis Date: 10/20/2022		SeqNo: 3298937		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.9	37.7	212			

Sample ID: lcs-70903	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 70903		RunNo: 91963							
Prep Date: 10/18/2022	Analysis Date: 10/20/2022		SeqNo: 3298938		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	86.9	72.3	137			
Surr: BFB	1400		1000		138	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210839

27-Oct-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-70900	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70900		RunNo: 91905							
Prep Date: 10/18/2022	Analysis Date: 10/19/2022		SeqNo: 3297322		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.4	70	130			

Sample ID: LCS-70900	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70900		RunNo: 91905							
Prep Date: 10/18/2022	Analysis Date: 10/19/2022		SeqNo: 3297323		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	70	130			

Sample ID: mb-70903	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 70903		RunNo: 91963							
Prep Date: 10/18/2022	Analysis Date: 10/20/2022		SeqNo: 3298984		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	70	130			

Sample ID: LCS-70903	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 70903		RunNo: 91963							
Prep Date: 10/18/2022	Analysis Date: 10/20/2022		SeqNo: 3298985		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	105	80	120			
Toluene	1.1	0.050	1.000	0	107	80	120			
Ethylbenzene	1.1	0.050	1.000	0	106	80	120			
Xylenes, Total	3.2	0.10	3.000	0	106	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2210839 RcptNo: 1

Received By: Juan Rojas 10/18/2022 7:30:00 AM

[Signature]

Completed By: Sean Livingston 10/18/2022 8:27:55 AM

[Signature]

Reviewed By: [Signature] 10/18/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 10/18/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.0, Good, [], [], [], []

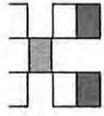
HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

1 of 3

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



Analysis Request

EOG 5 DAY TAT

Standard Rush

Project Name:

Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 0.9 + 0.1 = 1.0

Container Type and #

1 x 4oz Jar

Preservative Type

ICE

HEAL No.

2210839

Date

10-14-20

Matrix

soil

Sample Name

B-1

1330

Container Type and #

1 x 4oz Jar

Preservative Type

ICE

HEAL No.

001

Date

1332

Matrix

|

Sample Name

B-2

1334

Container Type and #

|

Preservative Type

|

HEAL No.

003

Date

1336

Matrix

|

Sample Name

B-4

1338

Container Type and #

|

Preservative Type

|

HEAL No.

005

Date

1342

Matrix

|

Sample Name

B-6

1346

Container Type and #

|

Preservative Type

|

HEAL No.

007

Date

1348

Matrix

|

Sample Name

B-8

1350

Container Type and #

|

Preservative Type

|

HEAL No.

009

Date

1352

Matrix

|

Sample Name

B-10

1354

Container Type and #

|

Preservative Type

|

HEAL No.

011

Date

1358

Matrix

|

Sample Name

B-12

1358

Container Type and #

|

Preservative Type

|

HEAL No.

012

Date

10-17-20

Relinquished by:

J. Martinez

Via:

Handwritten signature

Date

10/17/20

Remarks: Bill to EOG Artesia

Date

10/17/20

Relinquished by:

Handwritten signature

Via:

Handwritten signature

Date

10/18/20

EOG S DAY TAT



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

2 of 3

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Standard Rush

Project Name: Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CP): 0.9 fahrenheit

Container Type and #

Preservative Type

HEAL No.

TPH: 8015D (GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

Email or Fax#: Will@RangerEnv.com

QA/QC Package: Level 4 (Full Validation)

Standard Az Compliance

NELAC Other

EDD (Type) Excel

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-14-22	1402	Soil	B-13	1 x 4oz Jar	ICE	013
	1404		B-14			014
	1406		B-15			015
	1412		B-16			016
	1418		B-17			017
	1420		B-18			018
	1422		B-19			019
	1500		B-20			020
	1502		B-21			021
	1504		B-22			022
	1506		B-23			023
	1508		B-24			024

Received by: [Signature] Date: 10/17/22 Time: 1026

Relinquished by: J. Martinez Date: 10/18/22 Time: 7:30

Received by: [Signature] Date: 10/18/22 Time: 7:30

Remarks: Bill to EOG Artesia



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 04, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: ROY SWD 3

OrderNo.: 2210D60

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 13 sample(s) on 10/27/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-11

Project: ROY SWD 3

Collection Date: 10/25/2022 11:06:00 AM

Lab ID: 2210D60-001

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	260	60		mg/Kg	20	11/2/2022 1:01:26 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/1/2022 12:53:17 AM	71176
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/1/2022 12:53:17 AM	71176
Surr: DNOP	89.4	21-129		%Rec	1	11/1/2022 12:53:17 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/31/2022 3:24:00 PM	71160
Surr: BFB	99.2	37.7-212		%Rec	1	10/31/2022 3:24:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 3:24:00 PM	71160
Toluene	ND	0.047		mg/Kg	1	10/31/2022 3:24:00 PM	71160
Ethylbenzene	ND	0.047		mg/Kg	1	10/31/2022 3:24:00 PM	71160
Xylenes, Total	ND	0.094		mg/Kg	1	10/31/2022 3:24:00 PM	71160
Surr: 4-Bromofluorobenzene	118	70-130		%Rec	1	10/31/2022 3:24:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: R-1

Project: ROY SWD 3

Collection Date: 10/25/2022 11:08:00 AM

Lab ID: 2210D60-002

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	250	60		mg/Kg	20	11/2/2022 1:13:51 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/1/2022 1:16:48 AM	71176
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/1/2022 1:16:48 AM	71176
Surr: DNOP	83.3	21-129		%Rec	1	11/1/2022 1:16:48 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/31/2022 4:23:00 PM	71160
Surr: BFB	90.3	37.7-212		%Rec	1	10/31/2022 4:23:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 4:23:00 PM	71160
Toluene	ND	0.048		mg/Kg	1	10/31/2022 4:23:00 PM	71160
Ethylbenzene	ND	0.048		mg/Kg	1	10/31/2022 4:23:00 PM	71160
Xylenes, Total	ND	0.096		mg/Kg	1	10/31/2022 4:23:00 PM	71160
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	10/31/2022 4:23:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-8

Project: ROY SWD 3

Collection Date: 10/25/2022 12:02:00 PM

Lab ID: 2210D60-003

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	300	60		mg/Kg	20	11/2/2022 1:51:03 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/1/2022 1:40:28 AM	71176
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/1/2022 1:40:28 AM	71176
Surr: DNOP	96.6	21-129		%Rec	1	11/1/2022 1:40:28 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/31/2022 4:42:00 PM	71160
Surr: BFB	91.4	37.7-212		%Rec	1	10/31/2022 4:42:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 4:42:00 PM	71160
Toluene	ND	0.047		mg/Kg	1	10/31/2022 4:42:00 PM	71160
Ethylbenzene	ND	0.047		mg/Kg	1	10/31/2022 4:42:00 PM	71160
Xylenes, Total	ND	0.094		mg/Kg	1	10/31/2022 4:42:00 PM	71160
Surr: 4-Bromofluorobenzene	115	70-130		%Rec	1	10/31/2022 4:42:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-9

Project: ROY SWD 3

Collection Date: 10/25/2022 12:04:00 PM

Lab ID: 2210D60-004

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	320	60		mg/Kg	20	11/2/2022 2:03:28 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/1/2022 2:04:01 AM	71176
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/1/2022 2:04:01 AM	71176
Surr: DNOP	91.6	21-129		%Rec	1	11/1/2022 2:04:01 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/31/2022 5:02:00 PM	71160
Surr: BFB	96.3	37.7-212		%Rec	1	10/31/2022 5:02:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 5:02:00 PM	71160
Toluene	ND	0.047		mg/Kg	1	10/31/2022 5:02:00 PM	71160
Ethylbenzene	ND	0.047		mg/Kg	1	10/31/2022 5:02:00 PM	71160
Xylenes, Total	ND	0.095		mg/Kg	1	10/31/2022 5:02:00 PM	71160
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	10/31/2022 5:02:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: W-10

Project: ROY SWD 3

Collection Date: 10/25/2022 12:06:00 PM

Lab ID: 2210D60-005

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	270	60		mg/Kg	20	11/2/2022 2:15:53 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/1/2022 2:27:35 AM	71176
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/1/2022 2:27:35 AM	71176
Surr: DNOP	92.0	21-129		%Rec	1	11/1/2022 2:27:35 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/31/2022 5:22:00 PM	71160
Surr: BFB	94.8	37.7-212		%Rec	1	10/31/2022 5:22:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/31/2022 5:22:00 PM	71160
Toluene	ND	0.050		mg/Kg	1	10/31/2022 5:22:00 PM	71160
Ethylbenzene	ND	0.050		mg/Kg	1	10/31/2022 5:22:00 PM	71160
Xylenes, Total	ND	0.099		mg/Kg	1	10/31/2022 5:22:00 PM	71160
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	1	10/31/2022 5:22:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-1

Project: ROY SWD 3

Collection Date: 10/25/2022 1:26:00 PM

Lab ID: 2210D60-006

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	1500	60		mg/Kg	20	11/2/2022 2:28:17 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/1/2022 2:51:10 AM	71176
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/1/2022 2:51:10 AM	71176
Surr: DNOP	89.0	21-129		%Rec	1	11/1/2022 2:51:10 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/31/2022 5:42:00 PM	71160
Surr: BFB	98.7	37.7-212		%Rec	1	10/31/2022 5:42:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 5:42:00 PM	71160
Toluene	ND	0.048		mg/Kg	1	10/31/2022 5:42:00 PM	71160
Ethylbenzene	ND	0.048		mg/Kg	1	10/31/2022 5:42:00 PM	71160
Xylenes, Total	ND	0.096		mg/Kg	1	10/31/2022 5:42:00 PM	71160
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	10/31/2022 5:42:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-2

Project: ROY SWD 3

Collection Date: 10/25/2022 1:28:00 PM

Lab ID: 2210D60-007

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	860	60		mg/Kg	20	11/2/2022 3:05:31 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/1/2022 3:14:43 AM	71176
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/1/2022 3:14:43 AM	71176
Surr: DNOP	93.1	21-129		%Rec	1	11/1/2022 3:14:43 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/31/2022 6:01:00 PM	71160
Surr: BFB	89.0	37.7-212		%Rec	1	10/31/2022 6:01:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 6:01:00 PM	71160
Toluene	ND	0.049		mg/Kg	1	10/31/2022 6:01:00 PM	71160
Ethylbenzene	ND	0.049		mg/Kg	1	10/31/2022 6:01:00 PM	71160
Xylenes, Total	ND	0.097		mg/Kg	1	10/31/2022 6:01:00 PM	71160
Surr: 4-Bromofluorobenzene	116	70-130		%Rec	1	10/31/2022 6:01:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-3

Project: ROY SWD 3

Collection Date: 10/25/2022 1:30:00 PM

Lab ID: 2210D60-008

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	410	59		mg/Kg	20	11/2/2022 3:17:56 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/1/2022 3:38:15 AM	71176
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/1/2022 3:38:15 AM	71176
Surr: DNOP	92.2	21-129		%Rec	1	11/1/2022 3:38:15 AM	71176
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/31/2022 6:21:00 PM	71160
Surr: BFB	92.5	37.7-212		%Rec	1	10/31/2022 6:21:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 6:21:00 PM	71160
Toluene	ND	0.048		mg/Kg	1	10/31/2022 6:21:00 PM	71160
Ethylbenzene	ND	0.048		mg/Kg	1	10/31/2022 6:21:00 PM	71160
Xylenes, Total	ND	0.097		mg/Kg	1	10/31/2022 6:21:00 PM	71160
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	10/31/2022 6:21:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-4

Project: ROY SWD 3

Collection Date: 10/25/2022 1:32:00 PM

Lab ID: 2210D60-009

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	11/2/2022 3:30:21 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/2/2022 12:38:45 PM	71182
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/2/2022 12:38:45 PM	71182
Surr: DNOP	94.0	21-129		%Rec	1	11/2/2022 12:38:45 PM	71182
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/31/2022 6:40:00 PM	71160
Surr: BFB	95.4	37.7-212		%Rec	1	10/31/2022 6:40:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/31/2022 6:40:00 PM	71160
Toluene	ND	0.049		mg/Kg	1	10/31/2022 6:40:00 PM	71160
Ethylbenzene	ND	0.049		mg/Kg	1	10/31/2022 6:40:00 PM	71160
Xylenes, Total	ND	0.098		mg/Kg	1	10/31/2022 6:40:00 PM	71160
Surr: 4-Bromofluorobenzene	117	70-130		%Rec	1	10/31/2022 6:40:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-5

Project: ROY SWD 3

Collection Date: 10/25/2022 1:34:00 PM

Lab ID: 2210D60-010

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	850	60		mg/Kg	20	11/2/2022 3:42:46 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/2/2022 1:10:59 PM	71182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/2/2022 1:10:59 PM	71182
Surr: DNOP	98.2	21-129		%Rec	1	11/2/2022 1:10:59 PM	71182
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/31/2022 7:20:00 PM	71160
Surr: BFB	95.8	37.7-212		%Rec	1	10/31/2022 7:20:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 7:20:00 PM	71160
Toluene	ND	0.048		mg/Kg	1	10/31/2022 7:20:00 PM	71160
Ethylbenzene	ND	0.048		mg/Kg	1	10/31/2022 7:20:00 PM	71160
Xylenes, Total	ND	0.097		mg/Kg	1	10/31/2022 7:20:00 PM	71160
Surr: 4-Bromofluorobenzene	120	70-130		%Rec	1	10/31/2022 7:20:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-6

Project: ROY SWD 3

Collection Date: 10/25/2022 1:36:00 PM

Lab ID: 2210D60-011

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	64	59		mg/Kg	20	11/2/2022 3:55:10 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/2/2022 1:21:43 PM	71182
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/2/2022 1:21:43 PM	71182
Surr: DNOP	104	21-129		%Rec	1	11/2/2022 1:21:43 PM	71182
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/31/2022 7:39:00 PM	71160
Surr: BFB	97.1	37.7-212		%Rec	1	10/31/2022 7:39:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 7:39:00 PM	71160
Toluene	ND	0.049		mg/Kg	1	10/31/2022 7:39:00 PM	71160
Ethylbenzene	ND	0.049		mg/Kg	1	10/31/2022 7:39:00 PM	71160
Xylenes, Total	ND	0.097		mg/Kg	1	10/31/2022 7:39:00 PM	71160
Surr: 4-Bromofluorobenzene	121	70-130		%Rec	1	10/31/2022 7:39:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-7

Project: ROY SWD 3

Collection Date: 10/25/2022 1:38:00 PM

Lab ID: 2210D60-012

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	ND	60		mg/Kg	20	11/2/2022 4:07:35 PM	71230
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/2/2022 1:32:26 PM	71182
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/2/2022 1:32:26 PM	71182
Surr: DNOP	109	21-129		%Rec	1	11/2/2022 1:32:26 PM	71182
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/31/2022 7:59:00 PM	71160
Surr: BFB	98.7	37.7-212		%Rec	1	10/31/2022 7:59:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 7:59:00 PM	71160
Toluene	ND	0.048		mg/Kg	1	10/31/2022 7:59:00 PM	71160
Ethylbenzene	ND	0.048		mg/Kg	1	10/31/2022 7:59:00 PM	71160
Xylenes, Total	ND	0.096		mg/Kg	1	10/31/2022 7:59:00 PM	71160
Surr: 4-Bromofluorobenzene	123	70-130		%Rec	1	10/31/2022 7:59:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2210D60**

Date Reported: **11/4/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-8

Project: ROY SWD 3

Collection Date: 10/25/2022 1:40:00 PM

Lab ID: 2210D60-013

Matrix: SOIL

Received Date: 10/27/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: NAI
Chloride	220	60		mg/Kg	20	11/2/2022 5:46:51 PM	71253
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/2/2022 1:43:10 PM	71182
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/2/2022 1:43:10 PM	71182
Surr: DNOP	109	21-129		%Rec	1	11/2/2022 1:43:10 PM	71182
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/31/2022 8:19:00 PM	71160
Surr: BFB	94.7	37.7-212		%Rec	1	10/31/2022 8:19:00 PM	71160
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/31/2022 8:19:00 PM	71160
Toluene	ND	0.047		mg/Kg	1	10/31/2022 8:19:00 PM	71160
Ethylbenzene	ND	0.047		mg/Kg	1	10/31/2022 8:19:00 PM	71160
Xylenes, Total	ND	0.095		mg/Kg	1	10/31/2022 8:19:00 PM	71160
Surr: 4-Bromofluorobenzene	122	70-130		%Rec	1	10/31/2022 8:19:00 PM	71160

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D60

04-Nov-22

Client: EOG
Project: ROY SWD 3

Sample ID: MB-71230	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71230	RunNo: 92306								
Prep Date: 11/2/2022	Analysis Date: 11/2/2022	SeqNo: 3316142	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71230	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71230	RunNo: 92306								
Prep Date: 11/2/2022	Analysis Date: 11/2/2022	SeqNo: 3316143	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID: MB-71253	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71253	RunNo: 92306								
Prep Date: 11/2/2022	Analysis Date: 11/2/2022	SeqNo: 3316177	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71253	SampType: ics	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71253	RunNo: 92306								
Prep Date: 11/2/2022	Analysis Date: 11/2/2022	SeqNo: 3316178	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D60

04-Nov-22

Client: EOG
Project: ROY SWD 3

Sample ID: MB-71176	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71176	RunNo: 92192								
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3311494	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.6	21	129			

Sample ID: LCS-71176	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71176	RunNo: 92192								
Prep Date: 10/31/2022	Analysis Date: 10/31/2022	SeqNo: 3311495	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	15	50.00	0	101	64.4	127			
Surr: DNOP	5.0		5.000		100	21	129			

Sample ID: LCS-71182	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71182	RunNo: 92253								
Prep Date: 10/31/2022	Analysis Date: 11/2/2022	SeqNo: 3314305	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	6.4		5.000		128	21	129			

Sample ID: MB-71182	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71182	RunNo: 92253								
Prep Date: 10/31/2022	Analysis Date: 11/2/2022	SeqNo: 3314306	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	21	129			

Sample ID: LCS-71206	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71206	RunNo: 92253								
Prep Date: 11/1/2022	Analysis Date: 11/3/2022	SeqNo: 3315786	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		105	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D60

04-Nov-22

Client: EOG
Project: ROY SWD 3

Sample ID: LCS-71219	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71219		RunNo: 92253							
Prep Date: 11/1/2022	Analysis Date: 11/3/2022		SeqNo: 3315788				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.3		5.000		106	21	129			

Sample ID: MB-71206	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71206		RunNo: 92253							
Prep Date: 11/1/2022	Analysis Date: 11/3/2022		SeqNo: 3315789				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.4		10.00		93.6	21	129			

Sample ID: MB-71219	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71219		RunNo: 92253							
Prep Date: 11/1/2022	Analysis Date: 11/3/2022		SeqNo: 3315791				Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.6		10.00		85.8	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D60

04-Nov-22

Client: EOG
Project: ROY SWD 3

Sample ID: ics-71160	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71160	RunNo: 92226								
Prep Date: 10/28/2022	Analysis Date: 10/31/2022	SeqNo: 3312314	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

Sample ID: mb-71160	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71160	RunNo: 92226								
Prep Date: 10/28/2022	Analysis Date: 10/31/2022	SeqNo: 3312316	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.2	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2210D60

04-Nov-22

Client: EOG
Project: ROY SWD 3

Sample ID: mb-71160	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71160	RunNo: 92226								
Prep Date: 10/28/2022	Analysis Date: 10/31/2022	SeqNo: 3312418	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		119	70	130			

Sample ID: lcs-71160	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 71160	RunNo: 92226								
Prep Date: 10/28/2022	Analysis Date: 10/31/2022	SeqNo: 3312611	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	122	80	120			S
Toluene	1.2	0.050	1.000	0	121	80	120			S
Ethylbenzene	1.2	0.050	1.000	0	121	80	120			S
Xylenes, Total	3.6	0.10	3.000	0	120	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		120	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2210D60 RcptNo: 1

Received By: Juan Rojas 10/27/2022 7:25:00 AM
Completed By: Tracy Casarrubias 10/28/2022 10:44:55 AM
Reviewed By: [Signature] 10/28/22 [Signature] 10/28/22 [Signature] 10/27/22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [checked] No [] NA []
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature] 10/27/22

Special Handling (if applicable)

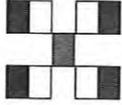
- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: _____ Date: _____
By Whom: _____ Via: [] eMail [] Phone [] Fax [] In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 0.8, Good, Yes, , ,



HALL ENVIRONMENTAL ANALYSIS LABORATORY

/of 2

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Turn-Around Time: **8065 DAY TAT**
 Standard Rush
 Project Name: **Roy SWD #3**

Project #: **5375**
 Project Manager: **W. Kierdorf**

Sampler: **J. Martinez**
 On Ice: Yes No

of Coolers: **1**
 Cooler Temp (including CF): **0.6 + 0.2 = 0.8**

Container Type and # **1x4oz Jar ICE**
 Preservative Type **ICE**
 HEAL No. **2210D60**

Analysis Request

BTX (8021) **X**
 TPH:8015D(GRO / DRO / MRO) **X**
 Chloride (EPA 300) **X**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10-23-20	1106	Soil	W-11	1x4oz Jar ICE	ICE	001
10-23-20	1108		R-1			002
	1202		W-8			003
	1204		W-9			004
	1206		W-10			005
	1226		NB-1			006
	1328		NB-2			007
	1330		NB-3			008
	1332		NB-4			009
	1334		NB-5			010
	1336		NB-4			011
	1338		NB-7			012

Relinquished by: **J. Martinez**
 Relinquished by: **J. Martinez**

Received by: **[Signature]** Date: **10/23/20** Time: **9:00**
 Received by: **[Signature]** Date: **10/23/20** Time: **7:12**

Remarks: **Bill to EOG Artesia**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 09, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2211154

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 3 sample(s) on 11/3/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued November 08, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2211154**

Date Reported: **11/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3E/A

Project: Roy SWD 3

Collection Date: 11/1/2022 12:38:00 PM

Lab ID: 2211154-001

Matrix: SOIL

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	400	60		mg/Kg	20	11/7/2022 3:59:35 PM	71324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/4/2022 12:41:04 PM	71292
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/4/2022 12:41:04 PM	71292
Surr: DNOP	118	21-129		%Rec	1	11/4/2022 12:41:04 PM	71292
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2022 12:14:06 AM	71278
Surr: BFB	86.7	37.7-212		%Rec	1	11/5/2022 12:14:06 AM	71278
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/5/2022 12:14:06 AM	71278
Toluene	ND	0.047		mg/Kg	1	11/5/2022 12:14:06 AM	71278
Ethylbenzene	ND	0.047		mg/Kg	1	11/5/2022 12:14:06 AM	71278
Xylenes, Total	ND	0.094		mg/Kg	1	11/5/2022 12:14:06 AM	71278
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	11/5/2022 12:14:06 AM	71278

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211154**

Date Reported: **11/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-3W/A

Project: Roy SWD 3

Collection Date: 11/1/2022 12:40:00 PM

Lab ID: 2211154-002

Matrix: SOIL

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	11/7/2022 4:11:56 PM	71324
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/4/2022 1:12:34 PM	71292
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/4/2022 1:12:34 PM	71292
Surr: DNOP	81.8	21-129		%Rec	1	11/4/2022 1:12:34 PM	71292
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2022 12:37:30 AM	71278
Surr: BFB	86.5	37.7-212		%Rec	1	11/5/2022 12:37:30 AM	71278
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/5/2022 12:37:30 AM	71278
Toluene	ND	0.047		mg/Kg	1	11/5/2022 12:37:30 AM	71278
Ethylbenzene	ND	0.047		mg/Kg	1	11/5/2022 12:37:30 AM	71278
Xylenes, Total	ND	0.095		mg/Kg	1	11/5/2022 12:37:30 AM	71278
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	11/5/2022 12:37:30 AM	71278

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211154**

Date Reported: **11/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-2/A

Project: Roy SWD 3

Collection Date: 11/1/2022 1:08:00 PM

Lab ID: 2211154-003

Matrix: SOIL

Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	170	61		mg/Kg	20	11/7/2022 8:43:31 PM	71352
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/4/2022 1:33:38 PM	71292
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/4/2022 1:33:38 PM	71292
Surr: DNOP	106	21-129		%Rec	1	11/4/2022 1:33:38 PM	71292
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2022 1:00:55 AM	71278
Surr: BFB	85.4	37.7-212		%Rec	1	11/5/2022 1:00:55 AM	71278
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/5/2022 1:00:55 AM	71278
Toluene	ND	0.048		mg/Kg	1	11/5/2022 1:00:55 AM	71278
Ethylbenzene	ND	0.048		mg/Kg	1	11/5/2022 1:00:55 AM	71278
Xylenes, Total	ND	0.097		mg/Kg	1	11/5/2022 1:00:55 AM	71278
Surr: 4-Bromofluorobenzene	90.4	70-130		%Rec	1	11/5/2022 1:00:55 AM	71278

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211154

09-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71324	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71324	RunNo: 92399								
Prep Date: 11/7/2022	Analysis Date: 11/7/2022	SeqNo: 3320634	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71324	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71324	RunNo: 92399								
Prep Date: 11/7/2022	Analysis Date: 11/7/2022	SeqNo: 3320635	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.7	90	110			

Sample ID: MB-71352	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71352	RunNo: 92399								
Prep Date: 11/7/2022	Analysis Date: 11/7/2022	SeqNo: 3320666	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71352	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71352	RunNo: 92399								
Prep Date: 11/7/2022	Analysis Date: 11/7/2022	SeqNo: 3320667	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.5	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211154

09-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-71292	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71292		RunNo: 92341							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318007		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.5	64.4	127			
Surr: DNOP	5.1		5.000		102	21	129			

Sample ID: MB-71292	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71292		RunNo: 92341							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318008		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211154

09-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71278	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 71278		RunNo: 92355							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318918		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.3	37.7	212			

Sample ID: lcs-71278	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 71278		RunNo: 92355							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318919		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.7	72.3	137			
Surr: BFB	1900		1000		187	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211154

09-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71278	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 71278		RunNo: 92355							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318970		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: LCS-71278	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 71278		RunNo: 92355							
Prep Date: 11/3/2022	Analysis Date: 11/4/2022		SeqNo: 3318971		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	98.1	80	120			
Toluene	1.0	0.050	1.000	0	99.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2211154 RcptNo: 1

Received By: Juan Rojas 11/3/2022 7:30:00 AM
Completed By: Tracy Casarrubias 11/3/2022 8:30:29 AM
Reviewed By: KRC 11-3-22

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted)
Adjusted?
Checked by: Juan 11/3/22

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: _____ Date: _____
By Whom: _____ Via: [] eMail [] Phone [] Fax [] In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.5, Good, Yes, , ,



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 28, 2022

Will Kierdorf

EOG

105 South Fourth Street

Artesia, NM 88210

TEL:

FAX:

RE: Roy SWD 3

OrderNo.: 2211741

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 2 sample(s) on 11/12/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order **2211741**

Date Reported: **11/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: R-2

Project: Roy SWD 3

Collection Date: 11/7/2022 12:54:00 PM

Lab ID: 2211741-001

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	630	60		mg/Kg	20	11/18/2022 6:17:53 PM	71593
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/16/2022 11:30:37 PM	71514
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/16/2022 11:30:37 PM	71514
Surr: DNOP	101	21-129		%Rec	1	11/16/2022 11:30:37 PM	71514
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/18/2022 2:06:00 AM	71507
Surr: BFB	96.8	37.7-212		%Rec	1	11/18/2022 2:06:00 AM	71507
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/18/2022 2:06:00 AM	71507
Toluene	ND	0.048		mg/Kg	1	11/18/2022 2:06:00 AM	71507
Ethylbenzene	ND	0.048		mg/Kg	1	11/18/2022 2:06:00 AM	71507
Xylenes, Total	ND	0.097		mg/Kg	1	11/18/2022 2:06:00 AM	71507
Surr: 4-Bromofluorobenzene	114	70-130		%Rec	1	11/18/2022 2:06:00 AM	71507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211741**

Date Reported: **11/28/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: EW-8

Project: Roy SWD 3

Collection Date: 11/7/2022 12:56:00 PM

Lab ID: 2211741-002

Matrix: SOIL

Received Date: 11/12/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	ND	60		mg/Kg	20	11/18/2022 6:30:17 PM	71593
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/16/2022 11:41:01 PM	71514
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2022 11:41:01 PM	71514
Surr: DNOP	92.0	21-129		%Rec	1	11/16/2022 11:41:01 PM	71514
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/18/2022 2:25:00 AM	71507
Surr: BFB	104	37.7-212		%Rec	1	11/18/2022 2:25:00 AM	71507
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/18/2022 2:25:00 AM	71507
Toluene	ND	0.049		mg/Kg	1	11/18/2022 2:25:00 AM	71507
Ethylbenzene	ND	0.049		mg/Kg	1	11/18/2022 2:25:00 AM	71507
Xylenes, Total	ND	0.097		mg/Kg	1	11/18/2022 2:25:00 AM	71507
Surr: 4-Bromofluorobenzene	119	70-130		%Rec	1	11/18/2022 2:25:00 AM	71507

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211741

28-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71593	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71593	RunNo: 92690								
Prep Date: 11/18/2022	Analysis Date: 11/18/2022	SeqNo: 3336819	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71593	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71593	RunNo: 92690								
Prep Date: 11/18/2022	Analysis Date: 11/18/2022	SeqNo: 3336820	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211741

28-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-71514	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71514		RunNo: 92609							
Prep Date: 11/15/2022	Analysis Date: 11/16/2022		SeqNo: 3333124	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	50.00	0	94.1	64.4	127			
Surr: DNOP	5.8		5.000		116	21	129			

Sample ID: MB-71514	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71514		RunNo: 92609							
Prep Date: 11/15/2022	Analysis Date: 11/16/2022		SeqNo: 3333125	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211741

28-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71507	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 71507		RunNo: 92685							
Prep Date: 11/15/2022	Analysis Date: 11/17/2022		SeqNo: 3334878		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.5	72.3	137			
Surr: BFB	2200		1000		216	37.7	212			S

Sample ID: mb-71507	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 71507		RunNo: 92685							
Prep Date: 11/15/2022	Analysis Date: 11/17/2022		SeqNo: 3334879		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		98.6	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211741

28-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71507	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 71507		RunNo: 92685							
Prep Date: 11/15/2022	Analysis Date: 11/17/2022		SeqNo: 3335020		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	110	80	120			
Toluene	1.1	0.050	1.000	0	111	80	120			
Ethylbenzene	1.1	0.050	1.000	0	111	80	120			
Xylenes, Total	3.3	0.10	3.000	0	110	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		120	70	130			

Sample ID: mb-71507	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 71507		RunNo: 92685							
Prep Date: 11/15/2022	Analysis Date: 11/17/2022		SeqNo: 3335021		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		117	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
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TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EOG** Work Order Number: **2211741** RcptNo: **1**

Received By: **Kasandra Jimena Garcia** 11/12/2022 8:00:00 AM

Completed By: **Cheyenne Cason** 11/12/2022 8:19:57 AM

Reviewed By: *KPC* 11.12.22

KJR
Cason

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *CPC 11/12/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
By Whom: _____ Via: eMail Phone Fax In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Not Present			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 30, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy SWD 3

OrderNo.: 2211A33

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/17/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-16A

Project: Roy SWD 3

Collection Date: 11/15/2022 12:34:00 PM

Lab ID: 2211A33-001

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	480	60		mg/Kg	20	11/23/2022 5:04:31 AM	71673
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/23/2022 10:28:53 PM	71655
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/23/2022 10:28:53 PM	71655
Surr: DNOP	97.4	21-129		%Rec	1	11/23/2022 10:28:53 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 5:55:00 PM	71623
Surr: BFB	104	37.7-212		%Rec	1	11/22/2022 5:55:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 5:55:00 PM	71623
Toluene	ND	0.047		mg/Kg	1	11/22/2022 5:55:00 PM	71623
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 5:55:00 PM	71623
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2022 5:55:00 PM	71623
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	11/22/2022 5:55:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-5A

Project: Roy SWD 3

Collection Date: 11/15/2022 1:32:00 PM

Lab ID: 2211A33-002

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	290	60		mg/Kg	20	11/23/2022 5:41:32 AM	71673
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 11:00:36 PM	71655
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 11:00:36 PM	71655
Surr: DNOP	96.7	21-129		%Rec	1	11/23/2022 11:00:36 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 6:54:00 PM	71623
Surr: BFB	105	37.7-212		%Rec	1	11/22/2022 6:54:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 6:54:00 PM	71623
Toluene	ND	0.047		mg/Kg	1	11/22/2022 6:54:00 PM	71623
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 6:54:00 PM	71623
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2022 6:54:00 PM	71623
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	11/22/2022 6:54:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-13A

Project: Roy SWD 3

Collection Date: 11/15/2022 2:24:00 PM

Lab ID: 2211A33-003

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	670	60		mg/Kg	20	11/23/2022 5:53:53 AM	71673
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/23/2022 11:11:07 PM	71655
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/23/2022 11:11:07 PM	71655
Surr: DNOP	83.4	21-129		%Rec	1	11/23/2022 11:11:07 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/22/2022 7:53:00 PM	71623
Surr: BFB	101	37.7-212		%Rec	1	11/22/2022 7:53:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 7:53:00 PM	71623
Toluene	ND	0.048		mg/Kg	1	11/22/2022 7:53:00 PM	71623
Ethylbenzene	ND	0.048		mg/Kg	1	11/22/2022 7:53:00 PM	71623
Xylenes, Total	ND	0.097		mg/Kg	1	11/22/2022 7:53:00 PM	71623
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	11/22/2022 7:53:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-14A

Project: Roy SWD 3

Collection Date: 11/15/2022 2:26:00 PM

Lab ID: 2211A33-004

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	370	60		mg/Kg	20	11/23/2022 6:06:15 AM	71673
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/23/2022 11:21:38 PM	71655
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/23/2022 11:21:38 PM	71655
Surr: DNOP	91.8	21-129		%Rec	1	11/23/2022 11:21:38 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/22/2022 8:13:00 PM	71623
Surr: BFB	101	37.7-212		%Rec	1	11/22/2022 8:13:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	11/22/2022 8:13:00 PM	71623
Toluene	ND	0.050		mg/Kg	1	11/22/2022 8:13:00 PM	71623
Ethylbenzene	ND	0.050		mg/Kg	1	11/22/2022 8:13:00 PM	71623
Xylenes, Total	ND	0.10		mg/Kg	1	11/22/2022 8:13:00 PM	71623
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	11/22/2022 8:13:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-44

Project: Roy SWD 3

Collection Date: 11/15/2022 2:50:00 PM

Lab ID: 2211A33-005

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	510	60		mg/Kg	20	11/23/2022 1:03:24 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 11:32:09 PM	71655
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 11:32:09 PM	71655
Surr: DNOP	90.4	21-129		%Rec	1	11/23/2022 11:32:09 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 8:33:00 PM	71623
Surr: BFB	103	37.7-212		%Rec	1	11/22/2022 8:33:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 8:33:00 PM	71623
Toluene	ND	0.047		mg/Kg	1	11/22/2022 8:33:00 PM	71623
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 8:33:00 PM	71623
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2022 8:33:00 PM	71623
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	11/22/2022 8:33:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

Analytical Report

Lab Order 2211A33

Date Reported: 11/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-2A

Project: Roy SWD 3

Collection Date: 11/15/2022 3:00:00 PM

Lab ID: 2211A33-006

Matrix: SOIL

Received Date: 11/17/2022 7:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	530	60		mg/Kg	20	11/23/2022 1:15:49 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/23/2022 11:42:37 PM	71655
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/23/2022 11:42:37 PM	71655
Surr: DNOP	92.8	21-129		%Rec	1	11/23/2022 11:42:37 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 8:52:00 PM	71623
Surr: BFB	102	37.7-212		%Rec	1	11/22/2022 8:52:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 8:52:00 PM	71623
Toluene	ND	0.047		mg/Kg	1	11/22/2022 8:52:00 PM	71623
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 8:52:00 PM	71623
Xylenes, Total	ND	0.094		mg/Kg	1	11/22/2022 8:52:00 PM	71623
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	11/22/2022 8:52:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
	D Sample Diluted Due to Matrix	E Above Quantitation Range/Estimated Value
	H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
	ND Not Detected at the Reporting Limit	P Sample pH Not In Range
	PQL Practical Quantitative Limit	RL Reporting Limit
	S % Recovery outside of standard limits. If undiluted results may be estimated.	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211A33

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71673	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71673	RunNo: 92788								
Prep Date: 11/22/2022	Analysis Date: 11/22/2022	SeqNo: 3339924	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71673	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71673	RunNo: 92788								
Prep Date: 11/22/2022	Analysis Date: 11/22/2022	SeqNo: 3339925	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Sample ID: MB-71692	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341724	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71692	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341725	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211A33

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-71655	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71655		RunNo: 92807							
Prep Date: 11/22/2022	Analysis Date: 11/23/2022		SeqNo: 3342146				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	90.1	64.4	127			
Surr: DNOP	5.1		5.000		103	21	129			

Sample ID: MB-71655	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71655		RunNo: 92807							
Prep Date: 11/22/2022	Analysis Date: 11/23/2022		SeqNo: 3342149				Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211A33

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71623	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71623	RunNo: 92835								
Prep Date: 11/21/2022	Analysis Date: 11/22/2022	SeqNo: 3341948			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211A33

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71623	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71623	RunNo: 92835								
Prep Date: 11/21/2022	Analysis Date: 11/22/2022	SeqNo: 3341975	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Resources Work Order Number: 2211A33 RcptNo: 1

Received By: Tracy Casarrubias 11/17/2022 7:10:00 AM

Completed By: Tracy Casarrubias 11/17/2022 7:48:25 AM

Reviewed By: *Jn 11/17/22*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *Jn 11/17/22*

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes			



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 01, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2211B19

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/18/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2211B19**

Date Reported: **12/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12A

Project: Roy SWD 3

Collection Date: 11/16/2022 2:26:00 PM

Lab ID: 2211B19-001

Matrix: SOIL

Received Date: 11/18/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	420	60		mg/Kg	20	11/23/2022 2:55:05 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/24/2022 1:16:36 AM	71655
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/24/2022 1:16:36 AM	71655
Surr: DNOP	102	21-129		%Rec	1	11/24/2022 1:16:36 AM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2022 11:10:00 PM	71623
Surr: BFB	100	37.7-212		%Rec	1	11/22/2022 11:10:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 11:10:00 PM	71623
Toluene	ND	0.047		mg/Kg	1	11/22/2022 11:10:00 PM	71623
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2022 11:10:00 PM	71623
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2022 11:10:00 PM	71623
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	11/22/2022 11:10:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B19**

Date Reported: **12/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-11A

Project: Roy SWD 3

Collection Date: 11/16/2022 1:00:00 PM

Lab ID: 2211B19-002

Matrix: SOIL

Received Date: 11/18/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	710	60		mg/Kg	20	11/23/2022 3:07:30 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/24/2022 1:27:00 AM	71655
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/24/2022 1:27:00 AM	71655
Surr: DNOP	106	21-129		%Rec	1	11/24/2022 1:27:00 AM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/22/2022 11:29:00 PM	71623
Surr: BFB	100	37.7-212		%Rec	1	11/22/2022 11:29:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/22/2022 11:29:00 PM	71623
Toluene	ND	0.049		mg/Kg	1	11/22/2022 11:29:00 PM	71623
Ethylbenzene	ND	0.049		mg/Kg	1	11/22/2022 11:29:00 PM	71623
Xylenes, Total	ND	0.097		mg/Kg	1	11/22/2022 11:29:00 PM	71623
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	11/22/2022 11:29:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B19**

Date Reported: **12/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-31A

Project: Roy SWD 3

Collection Date: 11/16/2022 2:30:00 PM

Lab ID: 2211B19-003

Matrix: SOIL

Received Date: 11/18/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	640	60		mg/Kg	20	11/23/2022 3:19:55 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	190	14		mg/Kg	1	11/29/2022 3:50:22 PM	71655
Motor Oil Range Organics (MRO)	360	48		mg/Kg	1	11/29/2022 3:50:22 PM	71655
Surr: DNOP	127	21-129		%Rec	1	11/29/2022 3:50:22 PM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/22/2022 11:49:00 PM	71623
Surr: BFB	98.6	37.7-212		%Rec	1	11/22/2022 11:49:00 PM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	11/22/2022 11:49:00 PM	71623
Toluene	ND	0.046		mg/Kg	1	11/22/2022 11:49:00 PM	71623
Ethylbenzene	ND	0.046		mg/Kg	1	11/22/2022 11:49:00 PM	71623
Xylenes, Total	ND	0.093		mg/Kg	1	11/22/2022 11:49:00 PM	71623
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	11/22/2022 11:49:00 PM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B19**

Date Reported: **12/1/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: NB-1A

Project: Roy SWD 3

Collection Date: 11/16/2022 3:20:00 PM

Lab ID: 2211B19-004

Matrix: SOIL

Received Date: 11/18/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	450	60		mg/Kg	20	11/23/2022 3:32:19 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/24/2022 1:47:42 AM	71655
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/24/2022 1:47:42 AM	71655
Surr: DNOP	127	21-129		%Rec	1	11/24/2022 1:47:42 AM	71655
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/23/2022 12:09:00 AM	71623
Surr: BFB	100	37.7-212		%Rec	1	11/23/2022 12:09:00 AM	71623
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	11/23/2022 12:09:00 AM	71623
Toluene	ND	0.048		mg/Kg	1	11/23/2022 12:09:00 AM	71623
Ethylbenzene	ND	0.048		mg/Kg	1	11/23/2022 12:09:00 AM	71623
Xylenes, Total	ND	0.097		mg/Kg	1	11/23/2022 12:09:00 AM	71623
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	11/23/2022 12:09:00 AM	71623

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B19

01-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71692	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341724	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71692	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341725	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B19

01-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-71655	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71655	RunNo: 92807								
Prep Date: 11/22/2022	Analysis Date: 11/23/2022	SeqNo: 3342146	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	90.1	64.4	127			
Surr: DNOP	5.1		5.000		103	21	129			

Sample ID: MB-71655	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71655	RunNo: 92807								
Prep Date: 11/22/2022	Analysis Date: 11/23/2022	SeqNo: 3342149	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B19

01-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71623	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71623	RunNo: 92835								
Prep Date: 11/21/2022	Analysis Date: 11/22/2022	SeqNo: 3341948	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B19

01-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71623	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71623	RunNo: 92835								
Prep Date: 11/21/2022	Analysis Date: 11/22/2022	SeqNo: 3341975			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **EOG** Work Order Number: **2211B19** RcptNo: **1**

Received By: **Tracy Casarrubias** 11/18/2022 7:15:00 AM

Completed By: **Tracy Casarrubias** 11/18/2022 8:12:22 AM

Reviewed By: *KAC* 11-18-22

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: 4
(≤2 or >12 unless noted)
Adjusted? NO
Checked by: JW 11/18/22

Special Handling (if applicable)

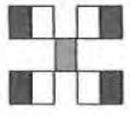
15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
By Whom: _____ Via: eMail Phone Fax In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes			



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Standard Rush

Project Name: **ROY SWD #3**

Project #: **5375**

Client: **EOG-Artesia / Ranger Env.**

Mailing Address: **EOG - 105 S 4th St, Artesia NM, 88210**

Ranger: **PO Box 201179, Austin TX 78720**

Phone #: **521-335-1785**

email or Fax#: **Will@RangerEnv.com**

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Project Manager: **W. Kierdorf**

Sampler: **J.M. Martinez**

On Ice: Yes No

of Coolers: **1**

Cooler Temp (including CP): **1.8-6.2-1.6**

Container Type and #

Preservative Type

HEAL No.

1x4oz Jar ICE 001

I

2211819

I

I

002

I

I

003

I

I

004

Date	Time	Matrix	Sample Name
11/17/22	1426	S-11	B-12-A
	1300		B-11A
	1430		B-31A
	1520		NB-1A

Analysis Request	
BTEX (8021)	Y Y X
TPH:8015D(GRO / DRO / MRO)	
Chloride (EPA 300)	

Received by: **J.M. Martinez** Date: **11/17/22** Time: **9:55**

Relinquished by: **J.M. Martinez**

Received by: **J.M. Martinez** Date: **11/18/22** Time: **7:15**

Relinquished by: **J.M. Martinez**

Remarks: **Bill to EOG Artesia**

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 30, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2211B64

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 6 sample(s) on 11/19/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4A

Project: Roy SWD 3

Collection Date: 11/17/2022 12:16:00 PM

Lab ID: 2211B64-001

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	300	60		mg/Kg	20	11/23/2022 5:11:36 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	11/23/2022 8:10:41 PM	71647
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/23/2022 8:10:41 PM	71647
Surr: DNOP	114	21-129		%Rec	1	11/23/2022 8:10:41 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/23/2022 10:36:54 PM	71638
Surr: BFB	88.7	37.7-212		%Rec	1	11/23/2022 10:36:54 PM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/23/2022 10:36:54 PM	71638
Toluene	ND	0.050		mg/Kg	1	11/23/2022 10:36:54 PM	71638
Ethylbenzene	ND	0.050		mg/Kg	1	11/23/2022 10:36:54 PM	71638
Xylenes, Total	ND	0.099		mg/Kg	1	11/23/2022 10:36:54 PM	71638
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	11/23/2022 10:36:54 PM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2A

Project: Roy SWD 3

Collection Date: 11/17/2022 2:20:00 PM

Lab ID: 2211B64-002

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	330	61		mg/Kg	20	11/23/2022 5:24:00 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 8:21:17 PM	71647
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 8:21:17 PM	71647
Surr: DNOP	100	21-129		%Rec	1	11/23/2022 8:21:17 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.049		mg/Kg	1	11/23/2022 11:47:11 PM	71638
Surr: BFB	87.8	37.7-212		%Rec	1	11/23/2022 11:47:11 PM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.00024		mg/Kg	1	11/23/2022 11:47:11 PM	71638
Toluene	ND	0.00049		mg/Kg	1	11/23/2022 11:47:11 PM	71638
Ethylbenzene	ND	0.00049		mg/Kg	1	11/23/2022 11:47:11 PM	71638
Xylenes, Total	ND	0.00098		mg/Kg	1	11/23/2022 11:47:11 PM	71638
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	11/23/2022 11:47:11 PM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3A

Project: Roy SWD 3

Collection Date: 11/17/2022 2:22:00 PM

Lab ID: 2211B64-003

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	250	60		mg/Kg	20	11/23/2022 5:36:24 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/23/2022 8:31:56 PM	71647
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/23/2022 8:31:56 PM	71647
Surr: DNOP	121	21-129		%Rec	1	11/23/2022 8:31:56 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2022 12:57:15 AM	71638
Surr: BFB	88.0	37.7-212		%Rec	1	11/24/2022 12:57:15 AM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/24/2022 12:57:15 AM	71638
Toluene	ND	0.049		mg/Kg	1	11/24/2022 12:57:15 AM	71638
Ethylbenzene	ND	0.049		mg/Kg	1	11/24/2022 12:57:15 AM	71638
Xylenes, Total	ND	0.099		mg/Kg	1	11/24/2022 12:57:15 AM	71638
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	11/24/2022 12:57:15 AM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5A

Project: Roy SWD 3

Collection Date: 11/17/2022 2:24:00 PM

Lab ID: 2211B64-004

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	720	60		mg/Kg	20	11/23/2022 5:48:49 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 8:42:37 PM	71647
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 8:42:37 PM	71647
Surr: DNOP	121	21-129		%Rec	1	11/23/2022 8:42:37 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2022 1:20:33 AM	71638
Surr: BFB	85.7	37.7-212		%Rec	1	11/24/2022 1:20:33 AM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/24/2022 1:20:33 AM	71638
Toluene	ND	0.049		mg/Kg	1	11/24/2022 1:20:33 AM	71638
Ethylbenzene	ND	0.049		mg/Kg	1	11/24/2022 1:20:33 AM	71638
Xylenes, Total	ND	0.099		mg/Kg	1	11/24/2022 1:20:33 AM	71638
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	11/24/2022 1:20:33 AM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6A

Project: Roy SWD 3

Collection Date: 11/17/2022 2:26:00 PM

Lab ID: 2211B64-005

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	620	61		mg/Kg	20	11/23/2022 6:01:13 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 8:53:17 PM	71647
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 8:53:17 PM	71647
Surr: DNOP	113	21-129		%Rec	1	11/23/2022 8:53:17 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/24/2022 1:43:50 AM	71638
Surr: BFB	88.4	37.7-212		%Rec	1	11/24/2022 1:43:50 AM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	11/24/2022 1:43:50 AM	71638
Toluene	ND	0.048		mg/Kg	1	11/24/2022 1:43:50 AM	71638
Ethylbenzene	ND	0.048		mg/Kg	1	11/24/2022 1:43:50 AM	71638
Xylenes, Total	ND	0.097		mg/Kg	1	11/24/2022 1:43:50 AM	71638
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	11/24/2022 1:43:50 AM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211B64**

Date Reported: **11/30/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-4AA

Project: Roy SWD 3

Collection Date: 11/17/2022 3:34:00 PM

Lab ID: 2211B64-006

Matrix: SOIL

Received Date: 11/19/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	350	60		mg/Kg	20	11/23/2022 6:13:38 PM	71692
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/23/2022 9:03:58 PM	71647
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/23/2022 9:03:58 PM	71647
Surr: DNOP	107	21-129		%Rec	1	11/23/2022 9:03:58 PM	71647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/24/2022 2:07:03 AM	71638
Surr: BFB	87.4	37.7-212		%Rec	1	11/24/2022 2:07:03 AM	71638
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	11/24/2022 2:07:03 AM	71638
Toluene	ND	0.049		mg/Kg	1	11/24/2022 2:07:03 AM	71638
Ethylbenzene	ND	0.049		mg/Kg	1	11/24/2022 2:07:03 AM	71638
Xylenes, Total	ND	0.099		mg/Kg	1	11/24/2022 2:07:03 AM	71638
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	11/24/2022 2:07:03 AM	71638

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B64

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71692	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341724	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71692	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71692	RunNo: 92827								
Prep Date: 11/23/2022	Analysis Date: 11/23/2022	SeqNo: 3341725	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B64

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: LCS-71647	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71647	RunNo: 92807								
Prep Date: 11/22/2022	Analysis Date: 11/23/2022	SeqNo: 3340993	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	95.2	64.4	127			
Surr: DNOP	5.7		5.000		114	21	129			

Sample ID: MB-71647	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71647	RunNo: 92807								
Prep Date: 11/22/2022	Analysis Date: 11/23/2022	SeqNo: 3340995	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B64

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71638	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71638	RunNo: 92814								
Prep Date: 11/21/2022	Analysis Date: 11/23/2022	SeqNo: 3341114	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		89.3	37.7	212			

Sample ID: lcs-71638	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71638	RunNo: 92814								
Prep Date: 11/21/2022	Analysis Date: 11/23/2022	SeqNo: 3341115	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.4	72.3	137			
Surr: BFB	1800		1000		183	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211B64

30-Nov-22

Client: EOG
Project: Roy SWD 3

Sample ID: mb-71638	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71638	RunNo: 92814								
Prep Date: 11/21/2022	Analysis Date: 11/23/2022	SeqNo: 3341191	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.9	70	130			

Sample ID: LCS-71638	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 71638	RunNo: 92814								
Prep Date: 11/21/2022	Analysis Date: 11/23/2022	SeqNo: 3341192	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	80	120			
Toluene	0.93	0.050	1.000	0	93.1	80	120			
Ethylbenzene	0.93	0.050	1.000	0	93.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.7	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2211B64 RcptNo: 1

Received By: Kasandra Jimena Garcia 11/19/2022 7:45:00 AM

Completed By: Kasandra Jimena Garcia 11/19/2022 8:19:11 AM

Reviewed By: [Handwritten signature]

[Handwritten initials]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: [Handwritten signature]

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Contains 3 rows of data.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 05, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2211D13

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 7 sample(s) on 11/23/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2211D13**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-22A

Project: Roy SWD 3

Collection Date: 11/21/2022 10:00:00 AM

Lab ID: 2211D13-001

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3200	150		mg/Kg	50	12/2/2022 11:17:35 AM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 2:21:17 PM	71758
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2022 2:21:17 PM	71758
Surr: DNOP	87.7	21-129		%Rec	1	11/30/2022 2:21:17 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 12:39:00 AM	71743
Surr: BFB	88.4	37.7-212		%Rec	1	12/1/2022 12:39:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 12:39:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 12:39:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 12:39:00 AM	71743
Xylenes, Total	ND	0.094		mg/Kg	1	12/1/2022 12:39:00 AM	71743
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	12/1/2022 12:39:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2211D13

Date Reported: 12/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-2AA

Project: Roy SWD 3

Collection Date: 11/21/2022 10:10:00 AM

Lab ID: 2211D13-002

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	740	60		mg/Kg	20	12/1/2022 8:10:48 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 2:48:32 PM	71758
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2022 2:48:32 PM	71758
Surr: DNOP	77.3	21-129		%Rec	1	11/30/2022 2:48:32 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 12:58:00 AM	71743
Surr: BFB	93.1	37.7-212		%Rec	1	12/1/2022 12:58:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/1/2022 12:58:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 12:58:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 12:58:00 AM	71743
Xylenes, Total	ND	0.094		mg/Kg	1	12/1/2022 12:58:00 AM	71743
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	12/1/2022 12:58:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D13**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-8AA

Project: Roy SWD 3

Collection Date: 11/21/2022 12:10:00 PM

Lab ID: 2211D13-003

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	500	60		mg/Kg	20	12/1/2022 8:23:09 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 3:02:05 PM	71758
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/30/2022 3:02:05 PM	71758
Surr: DNOP	72.1	21-129		%Rec	1	11/30/2022 3:02:05 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/1/2022 1:18:00 AM	71743
Surr: BFB	96.6	37.7-212		%Rec	1	12/1/2022 1:18:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 1:18:00 AM	71743
Toluene	ND	0.046		mg/Kg	1	12/1/2022 1:18:00 AM	71743
Ethylbenzene	ND	0.046		mg/Kg	1	12/1/2022 1:18:00 AM	71743
Xylenes, Total	ND	0.092		mg/Kg	1	12/1/2022 1:18:00 AM	71743
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	12/1/2022 1:18:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D13**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-5AA

Project: Roy SWD 3

Collection Date: 11/21/2022 3:00:00 PM

Lab ID: 2211D13-004

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	390	61		mg/Kg	20	12/1/2022 9:00:10 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 3:15:31 PM	71758
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2022 3:15:31 PM	71758
Surr: DNOP	78.2	21-129		%Rec	1	11/30/2022 3:15:31 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 1:57:00 AM	71743
Surr: BFB	90.6	37.7-212		%Rec	1	12/1/2022 1:57:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/1/2022 1:57:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 1:57:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 1:57:00 AM	71743
Xylenes, Total	ND	0.095		mg/Kg	1	12/1/2022 1:57:00 AM	71743
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	12/1/2022 1:57:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order 2211D13

Date Reported: 12/5/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-9AA

Project: Roy SWD 3

Collection Date: 11/21/2022 3:04:00 PM

Lab ID: 2211D13-005

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	990	60		mg/Kg	20	12/1/2022 9:12:31 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 3:29:05 PM	71758
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2022 3:29:05 PM	71758
Surr: DNOP	76.4	21-129		%Rec	1	11/30/2022 3:29:05 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/1/2022 2:17:00 AM	71743
Surr: BFB	87.8	37.7-212		%Rec	1	12/1/2022 2:17:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/1/2022 2:17:00 AM	71743
Toluene	ND	0.048		mg/Kg	1	12/1/2022 2:17:00 AM	71743
Ethylbenzene	ND	0.048		mg/Kg	1	12/1/2022 2:17:00 AM	71743
Xylenes, Total	ND	0.096		mg/Kg	1	12/1/2022 2:17:00 AM	71743
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	12/1/2022 2:17:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D13**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-10AA

Project: Roy SWD 3

Collection Date: 11/21/2022 3:06:00 PM

Lab ID: 2211D13-006

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	420	60		mg/Kg	20	12/1/2022 9:24:52 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 3:42:51 PM	71758
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2022 3:42:51 PM	71758
Surr: DNOP	83.1	21-129		%Rec	1	11/30/2022 3:42:51 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 2:36:00 AM	71743
Surr: BFB	91.5	37.7-212		%Rec	1	12/1/2022 2:36:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 2:36:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 2:36:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 2:36:00 AM	71743
Xylenes, Total	ND	0.094		mg/Kg	1	12/1/2022 2:36:00 AM	71743
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	12/1/2022 2:36:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D13**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-3AA

Project: Roy SWD 3

Collection Date: 11/21/2022 10:12:00 AM

Lab ID: 2211D13-007

Matrix: SOIL

Received Date: 11/23/2022 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	840	59		mg/Kg	20	12/1/2022 9:37:12 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 3:56:20 PM	71758
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2022 3:56:20 PM	71758
Surr: DNOP	77.4	21-129		%Rec	1	11/30/2022 3:56:20 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/1/2022 2:56:00 AM	71743
Surr: BFB	95.8	37.7-212		%Rec	1	12/1/2022 2:56:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/1/2022 2:56:00 AM	71743
Toluene	ND	0.050		mg/Kg	1	12/1/2022 2:56:00 AM	71743
Ethylbenzene	ND	0.050		mg/Kg	1	12/1/2022 2:56:00 AM	71743
Xylenes, Total	ND	0.099		mg/Kg	1	12/1/2022 2:56:00 AM	71743
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	12/1/2022 2:56:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D13

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71797	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71797	RunNo: 92965								
Prep Date: 12/1/2022	Analysis Date: 12/1/2022	SeqNo: 3347362	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71797	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71797	RunNo: 92965								
Prep Date: 12/1/2022	Analysis Date: 12/1/2022	SeqNo: 3347363	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D13

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71758	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71758	RunNo: 92930								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346061	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		91.4	21	129			

Sample ID: LCS-71758	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71758	RunNo: 92930								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.7	64.4	127			
Surr: DNOP	4.2		5.000		84.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D13

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71743	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346296	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.4	72.3	137			
Surr: BFB	2100		1000		206	37.7	212			

Sample ID: mb-71743	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346297	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.8	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D13

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71743	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346350	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.4	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Sample ID: mb-71743	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346351	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2211D13 RcptNo: 1

Received By: **Cheyenne Cason** 11/23/2022 7:30:00 AM

Completed By: **Sean Livingston** 11/23/2022 8:34:14 AM

Reviewed By: *[Signature]* 11-23-22

[Signature]

[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present

2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes No NA

4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA

5. Sample(s) in proper container(s)? Yes No

6. Sufficient sample volume for indicated test(s)? Yes No

7. Are samples (except VOA and ONG) properly preserved? Yes No

8. Was preservative added to bottles? Yes No NA

9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA

10. Were any sample containers received broken? Yes No

11. Does paperwork match bottle labels? Yes No

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes No

13. Is it clear what analyses were requested? Yes No

14. Were all holding times able to be met? Yes No

(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: <i>JM 11/23/22</i>

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____	Date: _____
By Whom: _____	Via: <input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding: _____	
Client Instructions: _____	

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good				
2	1.0	Good				



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 05, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Roy SWD 3

OrderNo.: 2211D89

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 7 sample(s) on 11/29/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-29AA

Project: Roy SWD 3

Collection Date: 11/22/2022 12:40:00 PM

Lab ID: 2211D89-001

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	360	60		mg/Kg	20	12/1/2022 10:14:15 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 4:09:51 PM	71758
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2022 4:09:51 PM	71758
Surr: DNOP	78.7	21-129		%Rec	1	11/30/2022 4:09:51 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 3:15:00 AM	71743
Surr: BFB	92.7	37.7-212		%Rec	1	12/1/2022 3:15:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 3:15:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 3:15:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 3:15:00 AM	71743
Xylenes, Total	ND	0.093		mg/Kg	1	12/1/2022 3:15:00 AM	71743
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	12/1/2022 3:15:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-25AA

Project: Roy SWD 3

Collection Date: 11/22/2022 12:42:00 PM

Lab ID: 2211D89-002

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	490	61		mg/Kg	20	12/1/2022 10:26:35 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 4:23:20 PM	71758
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2022 4:23:20 PM	71758
Surr: DNOP	75.5	21-129		%Rec	1	11/30/2022 4:23:20 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/1/2022 3:35:00 AM	71743
Surr: BFB	96.0	37.7-212		%Rec	1	12/1/2022 3:35:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 3:35:00 AM	71743
Toluene	ND	0.046		mg/Kg	1	12/1/2022 3:35:00 AM	71743
Ethylbenzene	ND	0.046		mg/Kg	1	12/1/2022 3:35:00 AM	71743
Xylenes, Total	ND	0.092		mg/Kg	1	12/1/2022 3:35:00 AM	71743
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	12/1/2022 3:35:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-21AA

Project: Roy SWD 3

Collection Date: 11/22/2022 12:44:00 PM

Lab ID: 2211D89-003

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	280	60		mg/Kg	20	12/1/2022 10:38:56 PM	71797
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 4:37:16 PM	71758
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/30/2022 4:37:16 PM	71758
Surr: DNOP	79.1	21-129		%Rec	1	11/30/2022 4:37:16 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/1/2022 3:54:00 AM	71743
Surr: BFB	90.1	37.7-212		%Rec	1	12/1/2022 3:54:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/1/2022 3:54:00 AM	71743
Toluene	ND	0.048		mg/Kg	1	12/1/2022 3:54:00 AM	71743
Ethylbenzene	ND	0.048		mg/Kg	1	12/1/2022 3:54:00 AM	71743
Xylenes, Total	ND	0.095		mg/Kg	1	12/1/2022 3:54:00 AM	71743
Surr: 4-Bromofluorobenzene	92.0	70-130		%Rec	1	12/1/2022 3:54:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-19AA

Project: Roy SWD 3

Collection Date: 11/22/2022 3:16:00 PM

Lab ID: 2211D89-004

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	330	61		mg/Kg	20	12/2/2022 2:13:56 PM	71819
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 4:50:40 PM	71758
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2022 4:50:40 PM	71758
Surr: DNOP	81.7	21-129		%Rec	1	11/30/2022 4:50:40 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/1/2022 4:14:00 AM	71743
Surr: BFB	91.7	37.7-212		%Rec	1	12/1/2022 4:14:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/1/2022 4:14:00 AM	71743
Toluene	ND	0.049		mg/Kg	1	12/1/2022 4:14:00 AM	71743
Ethylbenzene	ND	0.049		mg/Kg	1	12/1/2022 4:14:00 AM	71743
Xylenes, Total	ND	0.098		mg/Kg	1	12/1/2022 4:14:00 AM	71743
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	12/1/2022 4:14:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-18AA

Project: Roy SWD 3

Collection Date: 11/22/2022 3:20:00 PM

Lab ID: 2211D89-005

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	200	59		mg/Kg	20	12/2/2022 2:50:59 PM	71819
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 5:04:14 PM	71758
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/30/2022 5:04:14 PM	71758
Surr: DNOP	75.3	21-129		%Rec	1	11/30/2022 5:04:14 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/1/2022 4:33:00 AM	71743
Surr: BFB	88.6	37.7-212		%Rec	1	12/1/2022 4:33:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/1/2022 4:33:00 AM	71743
Toluene	ND	0.049		mg/Kg	1	12/1/2022 4:33:00 AM	71743
Ethylbenzene	ND	0.049		mg/Kg	1	12/1/2022 4:33:00 AM	71743
Xylenes, Total	ND	0.099		mg/Kg	1	12/1/2022 4:33:00 AM	71743
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	12/1/2022 4:33:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-17AA

Project: Roy SWD 3

Collection Date: 11/22/2022 3:24:00 PM

Lab ID: 2211D89-006

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	250	60		mg/Kg	20	12/2/2022 3:28:01 PM	71819
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	11/30/2022 5:17:57 PM	71758
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/30/2022 5:17:57 PM	71758
Surr: DNOP	74.7	21-129		%Rec	1	11/30/2022 5:17:57 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/1/2022 4:53:00 AM	71743
Surr: BFB	89.1	37.7-212		%Rec	1	12/1/2022 4:53:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/1/2022 4:53:00 AM	71743
Toluene	ND	0.047		mg/Kg	1	12/1/2022 4:53:00 AM	71743
Ethylbenzene	ND	0.047		mg/Kg	1	12/1/2022 4:53:00 AM	71743
Xylenes, Total	ND	0.095		mg/Kg	1	12/1/2022 4:53:00 AM	71743
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	12/1/2022 4:53:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2211D89**

Date Reported: **12/5/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-15AA

Project: Roy SWD 3

Collection Date: 11/22/2022 3:28:00 PM

Lab ID: 2211D89-007

Matrix: SOIL

Received Date: 11/29/2022 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	230	60		mg/Kg	20	12/2/2022 3:40:21 PM	71819
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: DGH
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	11/30/2022 5:31:21 PM	71758
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2022 5:31:21 PM	71758
Surr: DNOP	68.4	21-129		%Rec	1	11/30/2022 5:31:21 PM	71758
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/1/2022 5:32:00 AM	71743
Surr: BFB	92.5	37.7-212		%Rec	1	12/1/2022 5:32:00 AM	71743
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/1/2022 5:32:00 AM	71743
Toluene	ND	0.046		mg/Kg	1	12/1/2022 5:32:00 AM	71743
Ethylbenzene	ND	0.046		mg/Kg	1	12/1/2022 5:32:00 AM	71743
Xylenes, Total	ND	0.093		mg/Kg	1	12/1/2022 5:32:00 AM	71743
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	12/1/2022 5:32:00 AM	71743

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D89

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71797	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71797	RunNo: 92965								
Prep Date: 12/1/2022	Analysis Date: 12/1/2022	SeqNo: 3347362	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71797	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71797	RunNo: 92965								
Prep Date: 12/1/2022	Analysis Date: 12/1/2022	SeqNo: 3347363	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.6	90	110			

Sample ID: MB-71819	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71819	RunNo: 92984								
Prep Date: 12/2/2022	Analysis Date: 12/2/2022	SeqNo: 3348996	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71819	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71819	RunNo: 92984								
Prep Date: 12/2/2022	Analysis Date: 12/2/2022	SeqNo: 3348997	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D89

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: MB-71758	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 71758	RunNo: 92930								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346061	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		91.4	21	129			

Sample ID: LCS-71758	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 71758	RunNo: 92930								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346062	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	15	50.00	0	92.7	64.4	127			
Surr: DNOP	4.2		5.000		84.6	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D89

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71743	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 71743		RunNo: 92937							
Prep Date: 11/29/2022	Analysis Date: 11/30/2022		SeqNo: 3346296		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.4	72.3	137			
Surr: BFB	2100		1000		206	37.7	212			

Sample ID: mb-71743	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 71743		RunNo: 92937							
Prep Date: 11/29/2022	Analysis Date: 11/30/2022		SeqNo: 3346297		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		87.8	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211D89

05-Dec-22

Client: EOG
Project: Roy SWD 3

Sample ID: ics-71743	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346350	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.4	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Sample ID: mb-71743	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71743	RunNo: 92937								
Prep Date: 11/29/2022	Analysis Date: 11/30/2022	SeqNo: 3346351	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2211D89 RcptNo: 1

Received By: Juan Rojas 11/29/2022 7:25:00 AM
Completed By: Tracy Casarrubias 11/29/2022 7:56:41 AM
Reviewed By: [Signature]

Chain of Custody

- 1. Is Chain of Custody complete? Yes [checked] No [] Not Present []
2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes [checked] No [] NA []
4. Were all samples received at a temperature of >0° C to 6.0°C Yes [checked] No [] NA []
5. Sample(s) in proper container(s)? Yes [checked] No []
6. Sufficient sample volume for indicated test(s)? Yes [checked] No []
7. Are samples (except VOA and ONG) properly preserved? Yes [checked] No []
8. Was preservative added to bottles? Yes [] No [checked] NA []
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes [] No [] NA [checked]
10. Were any sample containers received broken? Yes [] No [checked]
11. Does paperwork match bottle labels? Yes [checked] No []
12. Are matrices correctly identified on Chain of Custody? Yes [checked] No []
13. Is it clear what analyses were requested? Yes [checked] No []
14. Were all holding times able to be met? Yes [checked] No []

of preserved bottles checked for pH: (<2 or >12 unless noted) Adjusted? Checked by: [Signature]

Special Handling (if applicable)

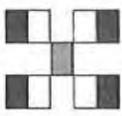
- 15. Was client notified of all discrepancies with this order? Yes [] No [] NA [checked]

Person Notified: [] Date: []
By Whom: [] Via: [] eMail [] Phone [] Fax [] In Person []
Regarding: []
Client Instructions: []

16. Additional remarks:

17. Cooler Information

Table with 7 columns: Cooler No, Temp °C, Condition, Seal Intact, Seal No, Seal Date, Signed By. Row 1: 1, 1.4, Good, Yes, [], [], []



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

LABORATORY TITLE: EOG S DAY TAT

Standard Rush

Project Name:

ROY SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 1.3 + 0.1 = 1.4

Container Type and # 1x402 Jar Preservative Type ICE HEAL No. 2211D89

1240 B-29AA soil 1242 B-25AA 1244 B-21AA 1310 B-19AA 1520 B-18AA 1524 B-17AA 1528 B-15AA

Sample Name

Date	Time	Matrix	Sample Name
<u>11-22-22</u>	<u>1240</u>	<u>soil</u>	<u>B-29AA</u>
	<u>1242</u>		<u>B-25AA</u>
	<u>1244</u>		<u>B-21AA</u>
	<u>1310</u>		<u>B-19AA</u>
	<u>1520</u>		<u>B-18AA</u>
	<u>1524</u>		<u>B-17AA</u>
	<u>1528</u>		<u>B-15AA</u>

BTEX (8021) K X Y
Chloride (EPA 300) X X Y

Analysis Request

Remarks: Bill to EOG Artesia

Received by: AMM Date: 11/29/22 Time: 10:11

Received by: J. Martinez Date: 11/29/22 Time: 7:25

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 09, 2022

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Roy EWD 3

OrderNo.: 2212152

Dear Will Kierdorf:

Hall Environmental Analysis Laboratory received 12 sample(s) on 12/3/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written in a cursive style.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-6AA

Project: Roy EWD 3

Collection Date: 11/30/2022 9:20:00 AM

Lab ID: 2212152-001

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	ND	60		mg/Kg	20	12/7/2022 3:37:03 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 2:23:15 AM	71871
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2022 2:23:15 AM	71871
Surr: DNOP	90.7	21-129		%Rec	1	12/8/2022 2:23:15 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2022 11:54:00 PM	71856
Surr: BFB	101	37.7-212		%Rec	1	12/6/2022 11:54:00 PM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/6/2022 11:54:00 PM	71856
Toluene	ND	0.048		mg/Kg	1	12/6/2022 11:54:00 PM	71856
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2022 11:54:00 PM	71856
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2022 11:54:00 PM	71856
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/6/2022 11:54:00 PM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-12AA

Project: Roy EWD 3

Collection Date: 11/30/2022 9:22:00 AM

Lab ID: 2212152-002

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	79	60		mg/Kg	20	12/8/2022 12:05:38 AM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 2:47:08 AM	71871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2022 2:47:08 AM	71871
Surr: DNOP	101	21-129		%Rec	1	12/8/2022 2:47:08 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/7/2022 12:14:00 AM	71856
Surr: BFB	107	37.7-212		%Rec	1	12/7/2022 12:14:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 12:14:00 AM	71856
Toluene	ND	0.047		mg/Kg	1	12/7/2022 12:14:00 AM	71856
Ethylbenzene	ND	0.047		mg/Kg	1	12/7/2022 12:14:00 AM	71856
Xylenes, Total	ND	0.095		mg/Kg	1	12/7/2022 12:14:00 AM	71856
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/7/2022 12:14:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-21AA

Project: Roy EWD 3

Collection Date: 11/30/2022 10:00:00 AM

Lab ID: 2212152-003

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	190	60		mg/Kg	20	12/7/2022 4:26:41 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 3:11:14 AM	71871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2022 3:11:14 AM	71871
Surr: DNOP	83.2	21-129		%Rec	1	12/8/2022 3:11:14 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/7/2022 12:34:00 AM	71856
Surr: BFB	99.2	37.7-212		%Rec	1	12/7/2022 12:34:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/7/2022 12:34:00 AM	71856
Toluene	ND	0.046		mg/Kg	1	12/7/2022 12:34:00 AM	71856
Ethylbenzene	ND	0.046		mg/Kg	1	12/7/2022 12:34:00 AM	71856
Xylenes, Total	ND	0.091		mg/Kg	1	12/7/2022 12:34:00 AM	71856
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/7/2022 12:34:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-23AA

Project: Roy EWD 3

Collection Date: 11/30/2022 10:50:00 AM

Lab ID: 2212152-004

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	560	60		mg/Kg	20	12/7/2022 4:39:06 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 3:35:10 AM	71871
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2022 3:35:10 AM	71871
Surr: DNOP	83.8	21-129		%Rec	1	12/8/2022 3:35:10 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/7/2022 12:53:00 AM	71856
Surr: BFB	99.6	37.7-212		%Rec	1	12/7/2022 12:53:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 12:53:00 AM	71856
Toluene	ND	0.048		mg/Kg	1	12/7/2022 12:53:00 AM	71856
Ethylbenzene	ND	0.048		mg/Kg	1	12/7/2022 12:53:00 AM	71856
Xylenes, Total	ND	0.096		mg/Kg	1	12/7/2022 12:53:00 AM	71856
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/7/2022 12:53:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-27AA

Project: Roy EWD 3

Collection Date: 11/30/2022 10:45:00 AM

Lab ID: 2212152-005

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	930	60		mg/Kg	20	12/7/2022 4:51:30 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 3:59:15 AM	71871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2022 3:59:15 AM	71871
Surr: DNOP	84.8	21-129		%Rec	1	12/8/2022 3:59:15 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/7/2022 1:13:00 AM	71856
Surr: BFB	103	37.7-212		%Rec	1	12/7/2022 1:13:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 1:13:00 AM	71856
Toluene	ND	0.049		mg/Kg	1	12/7/2022 1:13:00 AM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/7/2022 1:13:00 AM	71856
Xylenes, Total	ND	0.098		mg/Kg	1	12/7/2022 1:13:00 AM	71856
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/7/2022 1:13:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-37AA

Project: Roy EWD 3

Collection Date: 11/30/2022 11:50:00 AM

Lab ID: 2212152-006

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	680	60		mg/Kg	20	12/7/2022 5:03:54 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 4:23:12 AM	71871
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2022 4:23:12 AM	71871
Surr: DNOP	82.4	21-129		%Rec	1	12/8/2022 4:23:12 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/7/2022 1:33:00 AM	71856
Surr: BFB	100	37.7-212		%Rec	1	12/7/2022 1:33:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 1:33:00 AM	71856
Toluene	ND	0.047		mg/Kg	1	12/7/2022 1:33:00 AM	71856
Ethylbenzene	ND	0.047		mg/Kg	1	12/7/2022 1:33:00 AM	71856
Xylenes, Total	ND	0.095		mg/Kg	1	12/7/2022 1:33:00 AM	71856
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	12/7/2022 1:33:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-40AA

Project: Roy EWD 3

Collection Date: 11/30/2022 12:10:00 PM

Lab ID: 2212152-007

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	12/7/2022 5:16:18 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 4:47:18 AM	71871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2022 4:47:18 AM	71871
Surr: DNOP	75.6	21-129		%Rec	1	12/8/2022 4:47:18 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/7/2022 2:12:00 AM	71856
Surr: BFB	101	37.7-212		%Rec	1	12/7/2022 2:12:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/7/2022 2:12:00 AM	71856
Toluene	ND	0.050		mg/Kg	1	12/7/2022 2:12:00 AM	71856
Ethylbenzene	ND	0.050		mg/Kg	1	12/7/2022 2:12:00 AM	71856
Xylenes, Total	ND	0.10		mg/Kg	1	12/7/2022 2:12:00 AM	71856
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	12/7/2022 2:12:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-39AA

Project: Roy EWD 3

Collection Date: 11/30/2022 1:00:00 PM

Lab ID: 2212152-008

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1400	60		mg/Kg	20	12/7/2022 5:28:42 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 5:11:18 AM	71871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2022 5:11:18 AM	71871
Surr: DNOP	82.4	21-129		%Rec	1	12/8/2022 5:11:18 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/7/2022 2:32:00 AM	71856
Surr: BFB	99.3	37.7-212		%Rec	1	12/7/2022 2:32:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 2:32:00 AM	71856
Toluene	ND	0.049		mg/Kg	1	12/7/2022 2:32:00 AM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/7/2022 2:32:00 AM	71856
Xylenes, Total	ND	0.097		mg/Kg	1	12/7/2022 2:32:00 AM	71856
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/7/2022 2:32:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-42AA

Project: Roy EWD 3

Collection Date: 11/30/2022 1:10:00 PM

Lab ID: 2212152-009

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	400	60		mg/Kg	20	12/7/2022 5:41:06 PM	71903
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 5:35:30 AM	71871
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2022 5:35:30 AM	71871
Surr: DNOP	82.0	21-129		%Rec	1	12/8/2022 5:35:30 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/7/2022 2:52:00 AM	71856
Surr: BFB	101	37.7-212		%Rec	1	12/7/2022 2:52:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/7/2022 2:52:00 AM	71856
Toluene	ND	0.049		mg/Kg	1	12/7/2022 2:52:00 AM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/7/2022 2:52:00 AM	71856
Xylenes, Total	ND	0.099		mg/Kg	1	12/7/2022 2:52:00 AM	71856
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	12/7/2022 2:52:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-33AA

Project: Roy EWD 3

Collection Date: 11/30/2022 3:30:00 PM

Lab ID: 2212152-010

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	890	60		mg/Kg	20	12/7/2022 5:53:31 PM	71904
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/8/2022 5:59:33 AM	71871
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2022 5:59:33 AM	71871
Surr: DNOP	74.0	21-129		%Rec	1	12/8/2022 5:59:33 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/7/2022 3:11:00 AM	71856
Surr: BFB	106	37.7-212		%Rec	1	12/7/2022 3:11:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	12/7/2022 3:11:00 AM	71856
Toluene	ND	0.049		mg/Kg	1	12/7/2022 3:11:00 AM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/7/2022 3:11:00 AM	71856
Xylenes, Total	ND	0.098		mg/Kg	1	12/7/2022 3:11:00 AM	71856
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	12/7/2022 3:11:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-35AA

Project: Roy EWD 3

Collection Date: 11/30/2022 3:34:00 PM

Lab ID: 2212152-011

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1000	59		mg/Kg	20	12/7/2022 6:05:55 PM	71904
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	12/8/2022 6:23:41 AM	71871
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2022 6:23:41 AM	71871
Surr: DNOP	80.8	21-129		%Rec	1	12/8/2022 6:23:41 AM	71871
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/7/2022 3:31:00 AM	71856
Surr: BFB	98.8	37.7-212		%Rec	1	12/7/2022 3:31:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	12/7/2022 3:31:00 AM	71856
Toluene	ND	0.049		mg/Kg	1	12/7/2022 3:31:00 AM	71856
Ethylbenzene	ND	0.049		mg/Kg	1	12/7/2022 3:31:00 AM	71856
Xylenes, Total	ND	0.097		mg/Kg	1	12/7/2022 3:31:00 AM	71856
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	12/7/2022 3:31:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report

Lab Order **2212152**

Date Reported: **12/9/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: B-36AA

Project: Roy EWD 3

Collection Date: 11/30/2022 3:38:00 PM

Lab ID: 2212152-012

Matrix: SOIL

Received Date: 12/3/2022 8:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JTT
Chloride	1300	60		mg/Kg	20	12/7/2022 6:43:08 PM	71904
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	12/7/2022 7:34:16 PM	71875
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2022 7:34:16 PM	71875
Surr: DNOP	130	21-129	S	%Rec	1	12/7/2022 7:34:16 PM	71875
EPA METHOD 8015D: GASOLINE RANGE							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/7/2022 3:51:00 AM	71856
Surr: BFB	102	37.7-212		%Rec	1	12/7/2022 3:51:00 AM	71856
EPA METHOD 8021B: VOLATILES							Analyst: CCM
Benzene	ND	0.023		mg/Kg	1	12/7/2022 3:51:00 AM	71856
Toluene	ND	0.046		mg/Kg	1	12/7/2022 3:51:00 AM	71856
Ethylbenzene	ND	0.046		mg/Kg	1	12/7/2022 3:51:00 AM	71856
Xylenes, Total	ND	0.091		mg/Kg	1	12/7/2022 3:51:00 AM	71856
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	12/7/2022 3:51:00 AM	71856

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212152

09-Dec-22

Client: EOG
Project: Roy EWD 3

Sample ID: MB-71903	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71903	RunNo: 93106								
Prep Date: 12/7/2022	Analysis Date: 12/7/2022	SeqNo: 3353797	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71903	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71903	RunNo: 93106								
Prep Date: 12/7/2022	Analysis Date: 12/7/2022	SeqNo: 3353798	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.9	90	110			

Sample ID: MB-71904	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 71904	RunNo: 93106								
Prep Date: 12/7/2022	Analysis Date: 12/7/2022	SeqNo: 3353799	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-71904	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 71904	RunNo: 93106								
Prep Date: 12/7/2022	Analysis Date: 12/7/2022	SeqNo: 3353800	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212152

09-Dec-22

Client: EOG
Project: Roy EWD 3

Sample ID: MB-71875	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71875		RunNo: 93058							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3352779		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		133	21	129			S

Sample ID: LCS-71875	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71875		RunNo: 93058							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3352780		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	15	50.00	0	116	64.4	127			
Surr: DNOP	5.8		5.000		116	21	129			

Sample ID: LCS-71871	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 71871		RunNo: 93068							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3353782		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	15	50.00	0	87.3	64.4	127			
Surr: DNOP	3.7		5.000		73.5	21	129			

Sample ID: MB-71871	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 71871		RunNo: 93068							
Prep Date: 12/6/2022	Analysis Date: 12/7/2022		SeqNo: 3353785		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.4	21	129			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212152

09-Dec-22

Client: EOG
Project: Roy EWD 3

Sample ID: ics-71856	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 71856		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351489		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.5	72.3	137			
Surr: BFB	2200		1000		217	37.7	212			S

Sample ID: mb-71856	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 71856		RunNo: 93059							
Prep Date: 12/5/2022	Analysis Date: 12/6/2022		SeqNo: 3351490		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	37.7	212			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212152

09-Dec-22

Client: EOG
Project: Roy EWD 3

Sample ID: ics-71856	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 71856	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351667	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	80	120			
Toluene	1.0	0.050	1.000	0	99.7	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	3.0	0.10	3.000	0	100	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: mb-71856	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 71856	RunNo: 93059								
Prep Date: 12/5/2022	Analysis Date: 12/6/2022	SeqNo: 3351669	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		106	70	130			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2212152 RcptNo: 1

Received By: Tracy Casarrubias 12/3/2022 8:45:00 AM

Completed By: Tracy Casarrubias 12/3/2022 9:37:35 AM

Reviewed By: *JM 12/5/22*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: _____
(<2 or >12 unless noted)
Adjusted? _____
Checked by: *JM 12/3/22*

Special Handling (if applicable)

- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: _____ Date: _____
 By Whom: _____ Via: eMail Phone Fax In Person
 Regarding: _____
 Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good	Yes			



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 3/28/2024 4:35:05 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-829-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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3/28/2024 4:35:05 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-829-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Eurofins Albuquerque

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-829-1

Job ID: 885-829-1

Eurofins Albuquerque

Job Narrative 885-829-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 3/9/2024 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.0°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-1534 and analytical batch 885-1576 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-1534 and analytical batch 885-1576 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-5AB

Lab Sample ID: 885-829-1

Date Collected: 03/07/24 09:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.7	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			03/11/24 10:44	03/12/24 22:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
Ethylbenzene	ND		0.047	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
Toluene	ND		0.047	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
m,p-Xylene	ND		0.047	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
o-Xylene	ND		0.047	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
Xylenes, Total	ND		0.093	mg/Kg		03/11/24 10:44	03/12/24 22:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 10:44	03/12/24 22:53	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		03/11/24 14:10	03/11/24 18:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/11/24 14:10	03/11/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		69 - 147			03/11/24 14:10	03/11/24 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 13:11	03/12/24 16:25	20

Client Sample ID: B-6AB

Lab Sample ID: 885-829-2

Date Collected: 03/07/24 09:42

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			03/11/24 10:44	03/12/24 23:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
Toluene	ND		0.050	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 10:44	03/12/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146			03/11/24 10:44	03/12/24 23:17	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-6AB

Lab Sample ID: 885-829-2

Date Collected: 03/07/24 09:42

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/11/24 14:10	03/11/24 19:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/11/24 14:10	03/11/24 19:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		69 - 147	03/11/24 14:10	03/11/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 13:11	03/12/24 16:40	20

Client Sample ID: B-22AB

Lab Sample ID: 885-829-3

Date Collected: 03/07/24 09:44

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 10:44	03/13/24 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244	03/11/24 10:44	03/13/24 00:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:44	03/13/24 00:04	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:04	1
Toluene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:04	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:04	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:04	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 10:44	03/13/24 00:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/11/24 10:44	03/13/24 00:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/11/24 14:10	03/11/24 19:30	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/11/24 14:10	03/11/24 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		69 - 147	03/11/24 14:10	03/11/24 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75		60	mg/Kg		03/12/24 13:11	03/12/24 16:55	20

Client Sample ID: B-2A

Lab Sample ID: 885-829-4

Date Collected: 03/07/24 10:12

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 10:44	03/13/24 00:28	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-2A
Date Collected: 03/07/24 10:12
Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-4
Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 10:44	03/13/24 00:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 10:44	03/13/24 00:28	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 00:28	1
Toluene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 00:28	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 00:28	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 00:28	1
Xylenes, Total	ND		0.098	mg/Kg		03/11/24 10:44	03/13/24 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/11/24 10:44	03/13/24 00:28	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/11/24 14:10	03/11/24 19:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/11/24 14:10	03/11/24 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		69 - 147	03/11/24 14:10	03/11/24 19:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67		60	mg/Kg		03/12/24 13:11	03/12/24 17:10	20

Client Sample ID: B-2AAB
Date Collected: 03/07/24 10:16
Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-5
Matrix: Solid

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 10:44	03/13/24 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/11/24 10:44	03/13/24 00:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:44	03/13/24 00:51	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:51	1
Toluene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:51	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:51	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 10:44	03/13/24 00:51	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 10:44	03/13/24 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146	03/11/24 10:44	03/13/24 00:51	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		03/11/24 14:10	03/11/24 19:54	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/11/24 14:10	03/11/24 19:54	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-2AAB

Lab Sample ID: 885-829-5

Date Collected: 03/07/24 10:16

Matrix: Solid

Date Received: 03/09/24 08:30

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		69 - 147	03/11/24 14:10	03/11/24 19:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		03/12/24 13:11	03/12/24 18:26	20

Client Sample ID: B-3AAB

Lab Sample ID: 885-829-6

Date Collected: 03/07/24 10:20

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 10:44	03/13/24 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/11/24 10:44	03/13/24 01:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:44	03/13/24 01:15	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:15	1
Toluene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:15	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:15	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:15	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 10:44	03/13/24 01:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146	03/11/24 10:44	03/13/24 01:15	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		03/11/24 14:10	03/11/24 20:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/11/24 14:10	03/11/24 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		69 - 147	03/11/24 14:10	03/11/24 20:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		60	mg/Kg		03/12/24 13:11	03/12/24 18:41	20

Client Sample ID: B-9AAB

Lab Sample ID: 885-829-7

Date Collected: 03/07/24 10:24

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 10:44	03/13/24 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 10:44	03/13/24 01:39	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-9AAB

Lab Sample ID: 885-829-7

Date Collected: 03/07/24 10:24

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 10:44	03/13/24 01:39	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:39	1
Toluene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:39	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:39	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 01:39	1
Xylenes, Total	ND		0.097	mg/Kg		03/11/24 10:44	03/13/24 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/11/24 10:44	03/13/24 01:39	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		03/11/24 14:10	03/11/24 20:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/11/24 14:10	03/11/24 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		69 - 147	03/11/24 14:10	03/11/24 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 13:11	03/12/24 18:56	20

Client Sample ID: B-11AB

Lab Sample ID: 885-829-8

Date Collected: 03/07/24 10:28

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 10:44	03/13/24 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/11/24 10:44	03/13/24 02:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:44	03/13/24 02:02	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 02:02	1
Toluene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 02:02	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 02:02	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 10:44	03/13/24 02:02	1
Xylenes, Total	ND		0.098	mg/Kg		03/11/24 10:44	03/13/24 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146	03/11/24 10:44	03/13/24 02:02	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.7	mg/Kg		03/11/24 14:10	03/11/24 20:31	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		03/11/24 14:10	03/11/24 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		69 - 147	03/11/24 14:10	03/11/24 20:31	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-11AB

Lab Sample ID: 885-829-8

Date Collected: 03/07/24 10:28

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 13:11	03/12/24 19:11	20

Client Sample ID: B-13AB

Lab Sample ID: 885-829-9

Date Collected: 03/07/24 10:30

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.7	mg/Kg		03/11/24 10:47	03/13/24 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244	03/11/24 10:47	03/13/24 02:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 10:47	03/13/24 02:26	1
Ethylbenzene	ND		0.047	mg/Kg		03/11/24 10:47	03/13/24 02:26	1
Toluene	ND		0.047	mg/Kg		03/11/24 10:47	03/13/24 02:26	1
m,p-Xylene	ND		0.047	mg/Kg		03/11/24 10:47	03/13/24 02:26	1
o-Xylene	ND		0.047	mg/Kg		03/11/24 10:47	03/13/24 02:26	1
Xylenes, Total	ND		0.095	mg/Kg		03/11/24 10:47	03/13/24 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/11/24 10:47	03/13/24 02:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/11/24 14:10	03/11/24 20:43	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/11/24 14:10	03/11/24 20:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		69 - 147	03/11/24 14:10	03/11/24 20:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68		60	mg/Kg		03/12/24 15:22	03/12/24 17:30	20

Client Sample ID: B-27AAB

Lab Sample ID: 885-829-10

Date Collected: 03/07/24 11:20

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 10:47	03/13/24 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/11/24 10:47	03/13/24 02:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 10:47	03/13/24 02:49	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 10:47	03/13/24 02:49	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-27AAB

Lab Sample ID: 885-829-10

Date Collected: 03/07/24 11:20

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.048	mg/Kg		03/11/24 10:47	03/13/24 02:49	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 10:47	03/13/24 02:49	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 10:47	03/13/24 02:49	1
Xylenes, Total	ND		0.097	mg/Kg		03/11/24 10:47	03/13/24 02:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146	03/11/24 10:47	03/13/24 02:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/11/24 14:10	03/11/24 20:55	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/11/24 14:10	03/11/24 20:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		69 - 147	03/11/24 14:10	03/11/24 20:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		03/12/24 15:22	03/12/24 17:42	20

Client Sample ID: B-31AB

Lab Sample ID: 885-829-11

Date Collected: 03/07/24 11:22

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.6	mg/Kg		03/11/24 10:47	03/13/24 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/11/24 10:47	03/13/24 03:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/11/24 10:47	03/13/24 03:13	1
Ethylbenzene	ND		0.046	mg/Kg		03/11/24 10:47	03/13/24 03:13	1
Toluene	ND		0.046	mg/Kg		03/11/24 10:47	03/13/24 03:13	1
m,p-Xylene	ND		0.046	mg/Kg		03/11/24 10:47	03/13/24 03:13	1
o-Xylene	ND		0.046	mg/Kg		03/11/24 10:47	03/13/24 03:13	1
Xylenes, Total	ND		0.093	mg/Kg		03/11/24 10:47	03/13/24 03:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/11/24 10:47	03/13/24 03:13	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/11/24 14:10	03/11/24 21:06	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/11/24 14:10	03/11/24 21:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		69 - 147	03/11/24 14:10	03/11/24 21:06	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-31AB

Lab Sample ID: 885-829-11

Date Collected: 03/07/24 11:22

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		60	mg/Kg		03/12/24 15:22	03/12/24 17:55	20

Client Sample ID: B-33AAB

Lab Sample ID: 885-829-12

Date Collected: 03/07/24 11:24

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 10:47	03/13/24 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244	03/11/24 10:47	03/13/24 03:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:47	03/13/24 03:37	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 10:47	03/13/24 03:37	1
Toluene	ND		0.050	mg/Kg		03/11/24 10:47	03/13/24 03:37	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 10:47	03/13/24 03:37	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 10:47	03/13/24 03:37	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 10:47	03/13/24 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/11/24 10:47	03/13/24 03:37	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F2 F1	9.9	mg/Kg		03/11/24 14:10	03/11/24 21:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/11/24 14:10	03/11/24 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		69 - 147	03/11/24 14:10	03/11/24 21:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	470		60	mg/Kg		03/12/24 15:22	03/12/24 18:07	20

Client Sample ID: B-35AAB

Lab Sample ID: 885-829-13

Date Collected: 03/07/24 11:26

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/14/24 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244	03/11/24 14:29	03/14/24 18:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/14/24 18:51	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 18:51	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-35AAB

Lab Sample ID: 885-829-13

Date Collected: 03/07/24 11:26

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 18:51	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 18:51	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 18:51	1
Xylenes, Total	ND		0.096	mg/Kg		03/11/24 14:29	03/14/24 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146	03/11/24 14:29	03/14/24 18:51	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/12/24 10:32	03/12/24 15:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/12/24 10:32	03/12/24 15:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147	03/12/24 10:32	03/12/24 15:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 18:19	20

Client Sample ID: B-36AAB

Lab Sample ID: 885-829-14

Date Collected: 03/07/24 11:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/14/24 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/11/24 14:29	03/14/24 20:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/14/24 20:01	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 20:01	1
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 20:01	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 20:01	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 20:01	1
Xylenes, Total	ND		0.098	mg/Kg		03/11/24 14:29	03/14/24 20:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/11/24 14:29	03/14/24 20:01	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 16:03	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/12/24 10:32	03/12/24 16:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		69 - 147	03/12/24 10:32	03/12/24 16:03	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-36AAB

Lab Sample ID: 885-829-14

Date Collected: 03/07/24 11:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		03/12/24 15:22	03/12/24 18:32	20

Client Sample ID: B-37AAB

Lab Sample ID: 885-829-15

Date Collected: 03/07/24 11:42

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/14/24 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/11/24 14:29	03/14/24 21:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/14/24 21:12	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:12	1
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:12	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:12	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:12	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/14/24 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/11/24 14:29	03/14/24 21:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/12/24 10:32	03/12/24 16:15	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/12/24 10:32	03/12/24 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		69 - 147	03/12/24 10:32	03/12/24 16:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	72		60	mg/Kg		03/12/24 15:22	03/12/24 18:44	20

Client Sample ID: B-39AAB

Lab Sample ID: 885-829-16

Date Collected: 03/07/24 11:44

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/14/24 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 14:29	03/14/24 21:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/14/24 21:35	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:35	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-39AAB

Lab Sample ID: 885-829-16

Date Collected: 03/07/24 11:44

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:35	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:35	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 21:35	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 14:29	03/14/24 21:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146			03/11/24 14:29	03/14/24 21:35	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		03/12/24 10:32	03/12/24 16:27	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		69 - 147			03/12/24 10:32	03/12/24 16:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 18:56	20

Client Sample ID: B-40AAB

Lab Sample ID: 885-829-17

Date Collected: 03/07/24 11:50

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			03/11/24 14:29	03/14/24 21:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
Xylenes, Total	ND		0.097	mg/Kg		03/11/24 14:29	03/14/24 21:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146			03/11/24 14:29	03/14/24 21:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 16:39	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		69 - 147			03/12/24 10:32	03/12/24 16:39	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-40AAB

Lab Sample ID: 885-829-17

Date Collected: 03/07/24 11:50

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 19:58	20

Client Sample ID: B-5AB-W1

Lab Sample ID: 885-829-18

Date Collected: 03/07/24 13:30

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/14/24 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 14:29	03/14/24 22:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/14/24 22:46	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 22:46	1
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 22:46	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 22:46	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 22:46	1
Xylenes, Total	ND		0.096	mg/Kg		03/11/24 14:29	03/14/24 22:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/11/24 14:29	03/14/24 22:46	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/12/24 10:32	03/12/24 16:51	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 16:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		69 - 147	03/12/24 10:32	03/12/24 16:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81		60	mg/Kg		03/12/24 15:22	03/12/24 20:11	20

Client Sample ID: B-5AB-W2

Lab Sample ID: 885-829-19

Date Collected: 03/07/24 13:32

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/14/24 23:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244	03/11/24 14:29	03/14/24 23:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/14/24 23:09	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:09	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-5AB-W2

Lab Sample ID: 885-829-19

Date Collected: 03/07/24 13:32

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:09	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:09	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:09	1
Xylenes, Total	ND		0.095	mg/Kg		03/11/24 14:29	03/14/24 23:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 14:29	03/14/24 23:09	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		03/12/24 10:32	03/12/24 17:04	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/12/24 10:32	03/12/24 17:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147			03/12/24 10:32	03/12/24 17:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		03/12/24 15:22	03/12/24 20:23	20

Client Sample ID: B-6AB-W1

Lab Sample ID: 885-829-20

Date Collected: 03/07/24 13:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244			03/11/24 14:29	03/14/24 23:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/14/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146			03/11/24 14:29	03/14/24 23:33	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 17:16	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147			03/12/24 10:32	03/12/24 17:16	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-6AB-W1

Lab Sample ID: 885-829-20

Date Collected: 03/07/24 13:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68		60	mg/Kg		03/12/24 15:22	03/12/24 20:35	20

Client Sample ID: B-22AB-W1

Lab Sample ID: 885-829-21

Date Collected: 03/07/24 13:44

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/14/24 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 14:29	03/14/24 23:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/14/24 23:56	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:56	1
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:56	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:56	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/14/24 23:56	1
Xylenes, Total	ND		0.097	mg/Kg		03/11/24 14:29	03/14/24 23:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/11/24 14:29	03/14/24 23:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/12/24 10:32	03/12/24 17:28	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/12/24 10:32	03/12/24 17:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		69 - 147	03/12/24 10:32	03/12/24 17:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		03/12/24 15:22	03/12/24 21:12	20

Client Sample ID: B-22AB-W2

Lab Sample ID: 885-829-22

Date Collected: 03/07/24 13:46

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/15/24 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 244	03/11/24 14:29	03/15/24 00:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/15/24 00:20	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 00:20	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-22AB-W2

Lab Sample ID: 885-829-22

Date Collected: 03/07/24 13:46

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 00:20	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 00:20	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 00:20	1
Xylenes, Total	ND		0.096	mg/Kg		03/11/24 14:29	03/15/24 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146	03/11/24 14:29	03/15/24 00:20	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 17:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/12/24 10:32	03/12/24 17:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		69 - 147	03/12/24 10:32	03/12/24 17:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		03/12/24 15:22	03/12/24 21:25	20

Client Sample ID: R-2A-W1

Lab Sample ID: 885-829-23

Date Collected: 03/07/24 13:52

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/15/24 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/11/24 14:29	03/15/24 00:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 00:43	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 00:43	1
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 00:43	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 00:43	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 00:43	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 14:29	03/15/24 00:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/11/24 14:29	03/15/24 00:43	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/12/24 10:32	03/12/24 18:05	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/12/24 10:32	03/12/24 18:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		69 - 147	03/12/24 10:32	03/12/24 18:05	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: R-2A-W1

Lab Sample ID: 885-829-23

Date Collected: 03/07/24 13:52

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69		60	mg/Kg		03/12/24 15:22	03/12/24 21:37	20

Client Sample ID: R-2A-W2

Lab Sample ID: 885-829-24

Date Collected: 03/07/24 13:54

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/15/24 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/11/24 14:29	03/15/24 01:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 01:07	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:07	1
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:07	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:07	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:07	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/15/24 01:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/11/24 14:29	03/15/24 01:07	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/12/24 10:32	03/12/24 18:17	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 18:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		69 - 147	03/12/24 10:32	03/12/24 18:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 21:49	20

Client Sample ID: B-2AAB-W1

Lab Sample ID: 885-829-25

Date Collected: 03/07/24 14:02

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/15/24 01:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244	03/11/24 14:29	03/15/24 01:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 01:30	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 01:30	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-2AAB-W1

Lab Sample ID: 885-829-25

Date Collected: 03/07/24 14:02

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 01:30	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 01:30	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 01:30	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 14:29	03/15/24 01:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 14:29	03/15/24 01:30	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		03/12/24 10:32	03/12/24 18:29	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		03/12/24 10:32	03/12/24 18:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		69 - 147			03/12/24 10:32	03/12/24 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		03/12/24 15:22	03/12/24 22:26	20

Client Sample ID: B-3AAB-W1

Lab Sample ID: 885-829-26

Date Collected: 03/07/24 14:06

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/11/24 14:29	03/15/24 01:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
Xylenes, Total	ND		0.097	mg/Kg		03/11/24 14:29	03/15/24 01:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 14:29	03/15/24 01:54	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/12/24 10:32	03/12/24 18:41	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		03/12/24 10:32	03/12/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		69 - 147			03/12/24 10:32	03/12/24 18:41	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-3AAB-W1

Lab Sample ID: 885-829-26

Date Collected: 03/07/24 14:06

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 22:39	20

Client Sample ID: B-9AAB-W1

Lab Sample ID: 885-829-27

Date Collected: 03/07/24 14:10

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/15/24 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/11/24 14:29	03/15/24 02:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 02:41	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 02:41	1
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 02:41	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 02:41	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 02:41	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/15/24 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/11/24 14:29	03/15/24 02:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		8.9	mg/Kg		03/12/24 10:32	03/12/24 18:54	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/12/24 10:32	03/12/24 18:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		69 - 147	03/12/24 10:32	03/12/24 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 22:51	20

Client Sample ID: B-11AB-W1

Lab Sample ID: 885-829-28

Date Collected: 03/07/24 14:12

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/15/24 03:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/11/24 14:29	03/15/24 03:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 03:28	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 03:28	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-11AB-W1

Lab Sample ID: 885-829-28

Date Collected: 03/07/24 14:12

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 03:28	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 03:28	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/15/24 03:28	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/15/24 03:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			03/11/24 14:29	03/15/24 03:28	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 19:06	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		69 - 147			03/12/24 10:32	03/12/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 15:22	03/12/24 23:03	20

Client Sample ID: B-11AB-W2

Lab Sample ID: 885-829-29

Date Collected: 03/07/24 14:16

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			03/11/24 14:29	03/15/24 03:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
Xylenes, Total	ND		0.095	mg/Kg		03/11/24 14:29	03/15/24 03:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/11/24 14:29	03/15/24 03:51	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		03/12/24 10:32	03/12/24 19:18	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/12/24 10:32	03/12/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		69 - 147			03/12/24 10:32	03/12/24 19:18	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-11AB-W2

Lab Sample ID: 885-829-29

Date Collected: 03/07/24 14:16

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		03/12/24 16:30	03/12/24 22:58	20

Client Sample ID: B-13AB-W1

Lab Sample ID: 885-829-30

Date Collected: 03/07/24 14:30

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			03/11/24 14:29	03/15/24 04:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
Ethylbenzene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
Toluene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
m,p-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
o-Xylene	ND		0.048	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
Xylenes, Total	ND		0.095	mg/Kg		03/11/24 14:29	03/15/24 04:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			03/11/24 14:29	03/15/24 04:15	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		03/12/24 10:32	03/12/24 19:30	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/12/24 10:32	03/12/24 19:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		69 - 147			03/12/24 10:32	03/12/24 19:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		03/12/24 16:30	03/12/24 23:14	20

Client Sample ID: B-13AB-W2

Lab Sample ID: 885-829-31

Date Collected: 03/07/24 14:32

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/11/24 14:29	03/15/24 04:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 04:38	1

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-13AB-W2

Lab Sample ID: 885-829-31

Date Collected: 03/07/24 14:32

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
Xylenes, Total	ND		0.098	mg/Kg		03/11/24 14:29	03/15/24 04:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 14:29	03/15/24 04:38	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		03/12/24 10:32	03/12/24 19:43	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 10:32	03/12/24 19:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		69 - 147			03/12/24 10:32	03/12/24 19:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64		60	mg/Kg		03/12/24 16:30	03/12/24 23:59	20

Client Sample ID: B-31AB-W1

Lab Sample ID: 885-829-32

Date Collected: 03/07/24 14:34

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 244			03/11/24 14:29	03/15/24 05:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
Ethylbenzene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
Toluene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
m,p-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
o-Xylene	ND		0.049	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
Xylenes, Total	ND		0.099	mg/Kg		03/11/24 14:29	03/15/24 05:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146			03/11/24 14:29	03/15/24 05:02	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/12/24 10:32	03/12/24 19:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/12/24 10:32	03/12/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		69 - 147			03/12/24 10:32	03/12/24 19:55	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-31AB-W1

Lab Sample ID: 885-829-32

Date Collected: 03/07/24 14:34

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		03/12/24 16:30	03/13/24 00:14	20

Client Sample ID: B-39AAB-W1

Lab Sample ID: 885-829-33

Date Collected: 03/07/24 14:36

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.9	mg/Kg		03/12/24 09:51	03/14/24 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		15 - 244	03/12/24 09:51	03/14/24 00:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/12/24 09:51	03/14/24 00:29	1
Ethylbenzene	ND		0.049	mg/Kg		03/12/24 09:51	03/14/24 00:29	1
Toluene	ND		0.049	mg/Kg		03/12/24 09:51	03/14/24 00:29	1
m,p-Xylene	ND		0.049	mg/Kg		03/12/24 09:51	03/14/24 00:29	1
o-Xylene	ND		0.049	mg/Kg		03/12/24 09:51	03/14/24 00:29	1
Xylenes, Total	ND		0.098	mg/Kg		03/12/24 09:51	03/14/24 00:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		39 - 146	03/12/24 09:51	03/14/24 00:29	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		03/12/24 14:00	03/13/24 01:09	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		03/12/24 14:00	03/13/24 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		69 - 147	03/12/24 14:00	03/13/24 01:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		03/12/24 16:30	03/13/24 00:29	20

Client Sample ID: B-40AAB-W1

Lab Sample ID: 885-829-34

Date Collected: 03/07/24 14:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/12/24 09:51	03/14/24 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/12/24 09:51	03/14/24 00:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/12/24 09:51	03/14/24 00:51	1
Ethylbenzene	ND		0.050	mg/Kg		03/12/24 09:51	03/14/24 00:51	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-40AAB-W1

Lab Sample ID: 885-829-34

Date Collected: 03/07/24 14:40

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.050	mg/Kg		03/12/24 09:51	03/14/24 00:51	1
m,p-Xylene	ND		0.050	mg/Kg		03/12/24 09:51	03/14/24 00:51	1
o-Xylene	ND		0.050	mg/Kg		03/12/24 09:51	03/14/24 00:51	1
Xylenes, Total	ND		0.10	mg/Kg		03/12/24 09:51	03/14/24 00:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146	03/12/24 09:51	03/14/24 00:51	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		03/12/24 14:00	03/13/24 01:21	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/12/24 14:00	03/13/24 01:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		69 - 147	03/12/24 14:00	03/13/24 01:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		03/12/24 16:30	03/13/24 01:15	20

Client Sample ID: B-37AAB-W1

Lab Sample ID: 885-829-35

Date Collected: 03/07/24 14:42

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/12/24 15:00	03/14/24 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/12/24 15:00	03/14/24 02:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/12/24 15:00	03/14/24 02:40	1
Ethylbenzene	ND		0.050	mg/Kg		03/12/24 15:00	03/14/24 02:40	1
Toluene	ND		0.050	mg/Kg		03/12/24 15:00	03/14/24 02:40	1
m,p-Xylene	ND		0.050	mg/Kg		03/12/24 15:00	03/14/24 02:40	1
o-Xylene	ND		0.050	mg/Kg		03/12/24 15:00	03/14/24 02:40	1
Xylenes, Total	ND		0.099	mg/Kg		03/12/24 15:00	03/14/24 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/12/24 15:00	03/14/24 02:40	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		03/13/24 08:49	03/14/24 14:59	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/13/24 08:49	03/14/24 14:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134	03/13/24 08:49	03/14/24 14:59	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-37AAB-W1

Lab Sample ID: 885-829-35

Date Collected: 03/07/24 14:42

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73		60	mg/Kg		03/13/24 10:18	03/13/24 12:08	20

Client Sample ID: B-27AAB-W1

Lab Sample ID: 885-829-36

Date Collected: 03/07/24 14:44

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.7	mg/Kg		03/12/24 15:00	03/14/24 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/12/24 15:00	03/14/24 03:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/12/24 15:00	03/14/24 03:03	1
Ethylbenzene	ND		0.047	mg/Kg		03/12/24 15:00	03/14/24 03:03	1
Toluene	ND		0.047	mg/Kg		03/12/24 15:00	03/14/24 03:03	1
m,p-Xylene	ND		0.047	mg/Kg		03/12/24 15:00	03/14/24 03:03	1
o-Xylene	ND		0.047	mg/Kg		03/12/24 15:00	03/14/24 03:03	1
Xylenes, Total	ND		0.094	mg/Kg		03/12/24 15:00	03/14/24 03:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146	03/12/24 15:00	03/14/24 03:03	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		03/13/24 08:49	03/14/24 15:10	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		03/13/24 08:49	03/14/24 15:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134	03/13/24 08:49	03/14/24 15:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		03/13/24 10:18	03/13/24 12:20	20

Client Sample ID: B-27AAB-W2

Lab Sample ID: 885-829-37

Date Collected: 03/07/24 14:50

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/12/24 15:00	03/14/24 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 244	03/12/24 15:00	03/14/24 03:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/12/24 15:00	03/14/24 03:26	1
Ethylbenzene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 03:26	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-27AAB-W2

Lab Sample ID: 885-829-37

Date Collected: 03/07/24 14:50

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 03:26	1
m,p-Xylene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 03:26	1
o-Xylene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 03:26	1
Xylenes, Total	ND		0.097	mg/Kg		03/12/24 15:00	03/14/24 03:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/12/24 15:00	03/14/24 03:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		03/13/24 08:49	03/14/24 15:21	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		03/13/24 08:49	03/14/24 15:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134	03/13/24 08:49	03/14/24 15:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	130		60	mg/Kg		03/13/24 10:18	03/13/24 12:32	20

Client Sample ID: B-36AAB-W1

Lab Sample ID: 885-829-38

Date Collected: 03/07/24 14:52

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.6	mg/Kg		03/12/24 15:00	03/14/24 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 244	03/12/24 15:00	03/14/24 03:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		03/12/24 15:00	03/14/24 03:50	1
Ethylbenzene	ND		0.046	mg/Kg		03/12/24 15:00	03/14/24 03:50	1
Toluene	ND		0.046	mg/Kg		03/12/24 15:00	03/14/24 03:50	1
m,p-Xylene	ND		0.046	mg/Kg		03/12/24 15:00	03/14/24 03:50	1
o-Xylene	ND		0.046	mg/Kg		03/12/24 15:00	03/14/24 03:50	1
Xylenes, Total	ND		0.093	mg/Kg		03/12/24 15:00	03/14/24 03:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		39 - 146	03/12/24 15:00	03/14/24 03:50	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/13/24 08:49	03/14/24 15:32	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		03/13/24 08:49	03/14/24 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134	03/13/24 08:49	03/14/24 15:32	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-36AAB-W1

Lab Sample ID: 885-829-38

Date Collected: 03/07/24 14:52

Matrix: Solid

Date Received: 03/09/24 08:30

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		60	mg/Kg		03/13/24 10:18	03/13/24 12:45	20

Client Sample ID: B-33AAB-W1

Lab Sample ID: 885-829-39

Date Collected: 03/07/24 14:54

Matrix: Solid

Date Received: 03/09/24 08:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		4.8	mg/Kg		03/12/24 15:00	03/14/24 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 244	03/12/24 15:00	03/14/24 04:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		03/12/24 15:00	03/14/24 04:13	1
Ethylbenzene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 04:13	1
Toluene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 04:13	1
m,p-Xylene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 04:13	1
o-Xylene	ND		0.048	mg/Kg		03/12/24 15:00	03/14/24 04:13	1
Xylenes, Total	ND		0.096	mg/Kg		03/12/24 15:00	03/14/24 04:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		39 - 146	03/12/24 15:00	03/14/24 04:13	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		03/13/24 08:49	03/14/24 15:43	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		03/13/24 08:49	03/14/24 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134	03/13/24 08:49	03/14/24 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93		60	mg/Kg		03/13/24 10:18	03/13/24 12:57	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-1514/25-A
Matrix: Solid
Analysis Batch: 1654

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1514

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			03/11/24 10:47	03/12/24 17:20	1

Lab Sample ID: LCS 885-1514/26-A
Matrix: Solid
Analysis Batch: 1654

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	25.0	22.8		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	203		15 - 244				

Lab Sample ID: MB 885-1538/1-A
Matrix: Solid
Analysis Batch: 1781

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1538

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 244			03/11/24 14:29	03/14/24 18:27	1

Lab Sample ID: LCS 885-1538/2-A
Matrix: Solid
Analysis Batch: 1781

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	25.0	21.3		mg/Kg		85	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	195		15 - 244				

Lab Sample ID: 885-829-13 MS
Matrix: Solid
Analysis Batch: 1781

Client Sample ID: B-35AAB
Prep Type: Total/NA
Prep Batch: 1538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	ND		24.0	20.4		mg/Kg		85	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	197		15 - 244						

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-829-13 MSD
 Matrix: Solid
 Analysis Batch: 1781

Client Sample ID: B-35AAB
 Prep Type: Total/NA
 Prep Batch: 1538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
C6-C10	ND		23.9	21.1		mg/Kg		89	70 - 130	4	20
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
4-Bromofluorobenzene (Surr)	199		15 - 244								

Lab Sample ID: MB 885-1570/1-A
 Matrix: Solid
 Analysis Batch: 1717

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1570

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	99		15 - 244	03/12/24 09:51	03/13/24 15:46	1		

Lab Sample ID: LCS 885-1570/2-A
 Matrix: Solid
 Analysis Batch: 1717

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	25.0	22.7		mg/Kg		91	70 - 130
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	203		15 - 244				

Lab Sample ID: MB 885-1598/1-A
 Matrix: Solid
 Analysis Batch: 1719

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1598

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C10	ND		5.0	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
Surrogate	%Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	98		15 - 244	03/12/24 15:00	03/13/24 11:46	1		

Lab Sample ID: LCS 885-1598/2-A
 Matrix: Solid
 Analysis Batch: 1719

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
C6-C10	25.0	24.3		mg/Kg		97	70 - 130
Surrogate	%Recovery	LCS Qualifier	LCS Limits				
4-Bromofluorobenzene (Surr)	216		15 - 244				

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-1514/25-A
 Matrix: Solid
 Analysis Batch: 1655

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1514

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
Toluene	ND		0.050	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 10:47	03/12/24 17:20	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 10:47	03/12/24 17:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		39 - 146	03/11/24 10:47	03/12/24 17:20	1

Lab Sample ID: LCS 885-1514/27-A
 Matrix: Solid
 Analysis Batch: 1655

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1514

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.823		mg/Kg		82	70 - 130
Ethylbenzene	1.00	0.842		mg/Kg		84	70 - 130
Toluene	1.00	0.842		mg/Kg		84	70 - 130
o-Xylene	1.00	0.838		mg/Kg		84	70 - 130
Xylenes, Total	3.00	2.56		mg/Kg		85	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		39 - 146

Lab Sample ID: MB 885-1538/1-A
 Matrix: Solid
 Analysis Batch: 1782

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1538

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
Ethylbenzene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
Toluene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
m,p-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
o-Xylene	ND		0.050	mg/Kg		03/11/24 14:29	03/14/24 18:27	1
Xylenes, Total	ND		0.10	mg/Kg		03/11/24 14:29	03/14/24 18:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146	03/11/24 14:29	03/14/24 18:27	1

Lab Sample ID: LCS 885-1538/3-A
 Matrix: Solid
 Analysis Batch: 1782

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.863		mg/Kg		86	70 - 130
Ethylbenzene	1.00	0.877		mg/Kg		88	70 - 130
Toluene	1.00	0.882		mg/Kg		88	70 - 130
o-Xylene	1.00	0.879		mg/Kg		88	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-1538/3-A
Matrix: Solid
Analysis Batch: 1782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	3.00	2.68		mg/Kg		89	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	95		39 - 146				

Lab Sample ID: 885-829-14 MS
Matrix: Solid
Analysis Batch: 1782

Client Sample ID: B-36AAB
Prep Type: Total/NA
Prep Batch: 1538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.978	0.817		mg/Kg		84	70 - 130
Ethylbenzene	ND		0.978	0.850		mg/Kg		87	70 - 130
Toluene	ND		0.978	0.836		mg/Kg		85	70 - 130
o-Xylene	ND		0.978	0.843		mg/Kg		86	70 - 130
Xylenes, Total	ND		2.94	2.56		mg/Kg		87	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	94		39 - 146						

Lab Sample ID: 885-829-14 MSD
Matrix: Solid
Analysis Batch: 1782

Client Sample ID: B-36AAB
Prep Type: Total/NA
Prep Batch: 1538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	ND		0.986	0.804		mg/Kg		82	70 - 130	2	20
Ethylbenzene	ND		0.986	0.826		mg/Kg		84	70 - 130	3	20
Toluene	ND		0.986	0.813		mg/Kg		82	70 - 130	3	20
o-Xylene	ND		0.986	0.810		mg/Kg		82	70 - 130	4	20
Xylenes, Total	ND		2.96	2.49		mg/Kg		84	70 - 130	3	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	95		39 - 146								

Lab Sample ID: MB 885-1570/1-A
Matrix: Solid
Analysis Batch: 1775

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1570

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
Ethylbenzene	ND		0.050	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
Toluene	ND		0.050	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
m,p-Xylene	ND		0.050	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
o-Xylene	ND		0.050	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
Xylenes, Total	ND		0.10	mg/Kg		03/12/24 09:51	03/13/24 15:46	1
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac		
4-Bromofluorobenzene (Surr)	87		39 - 146	03/12/24 09:51	03/13/24 15:46	1		

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-1570/3-A
 Matrix: Solid
 Analysis Batch: 1775

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1570

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.856		mg/Kg		86	70 - 130
Ethylbenzene	1.00	0.860		mg/Kg		86	70 - 130
Toluene	1.00	0.861		mg/Kg		86	70 - 130
o-Xylene	1.00	0.864		mg/Kg		86	70 - 130
Xylenes, Total	3.00	2.59		mg/Kg		86	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	99		39 - 146

Lab Sample ID: MB 885-1598/1-A
 Matrix: Solid
 Analysis Batch: 1720

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1598

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
Ethylbenzene	ND		0.050	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
Toluene	ND		0.050	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
m,p-Xylene	ND		0.050	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
o-Xylene	ND		0.050	mg/Kg		03/12/24 15:00	03/13/24 11:46	1
Xylenes, Total	ND		0.10	mg/Kg		03/12/24 15:00	03/13/24 11:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		39 - 146	03/12/24 15:00	03/13/24 11:46	1

Lab Sample ID: LCS 885-1598/3-A
 Matrix: Solid
 Analysis Batch: 1720

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1598

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.927		mg/Kg		93	70 - 130
Ethylbenzene	1.00	0.952		mg/Kg		95	70 - 130
Toluene	1.00	0.942		mg/Kg		94	70 - 130
o-Xylene	1.00	0.947		mg/Kg		95	70 - 130
Xylenes, Total	3.00	2.88		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		39 - 146

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-1534/1-A
 Matrix: Solid
 Analysis Batch: 1576

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1534

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/11/24 14:10	03/11/24 16:54	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/11/24 14:10	03/11/24 16:54	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-1534/1-A
Matrix: Solid
Analysis Batch: 1576

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1534

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		69 - 147	03/11/24 14:10	03/11/24 16:54	1

Lab Sample ID: LCS 885-1534/2-A
Matrix: Solid
Analysis Batch: 1576

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1534

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.2		mg/Kg		96	62 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	101		69 - 147

Lab Sample ID: 885-829-12 MS
Matrix: Solid
Analysis Batch: 1576

Client Sample ID: B-33AAB
Prep Type: Total/NA
Prep Batch: 1534

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	F2 F1	45.9	38.8		mg/Kg		84	54 - 135

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	99		69 - 147

Lab Sample ID: 885-829-12 MSD
Matrix: Solid
Analysis Batch: 1576

Client Sample ID: B-33AAB
Prep Type: Total/NA
Prep Batch: 1534

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	F2 F1	46.1	72.8	F1 F2	mg/Kg		158	54 - 135	61	29

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	107		69 - 147

Lab Sample ID: MB 885-1575/1-A
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1575

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/12/24 10:32	03/12/24 15:26	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/12/24 10:32	03/12/24 15:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		69 - 147	03/12/24 10:32	03/12/24 15:26	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-1575/2-A
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1575

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	41.1		mg/Kg		82	62 - 130
Surrogate		LCS %Recovery	LCS Qualifier	Limits			
<i>Di-n-octyl phthalate (Surr)</i>		99		69 - 147			

Lab Sample ID: 885-829-32 MS
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: B-31AB-W1
Prep Type: Total/NA
Prep Batch: 1575

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.3	36.0		mg/Kg		76	54 - 135
Surrogate		MS %Recovery	MS Qualifier	Limits					
<i>Di-n-octyl phthalate (Surr)</i>		99		69 - 147					

Lab Sample ID: 885-829-32 MSD
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: B-31AB-W1
Prep Type: Total/NA
Prep Batch: 1575

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Diesel Range Organics [C10-C28]	ND		47.0	36.2		mg/Kg		77	54 - 135	0	29
Surrogate		MSD %Recovery	MSD Qualifier	Limits							
<i>Di-n-octyl phthalate (Surr)</i>		99		69 - 147							

Lab Sample ID: MB 885-1591/1-A
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1591

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/12/24 14:00	03/12/24 20:43	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/12/24 14:00	03/12/24 20:43	1
Surrogate		MB %Recovery	MB Qualifier	Limits		Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>		99		69 - 147		03/12/24 14:00	03/12/24 20:43	1

Lab Sample ID: LCS 885-1591/2-A
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1591

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	38.8		mg/Kg		78	62 - 130

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-1591/2-A
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1591

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		69 - 147

Lab Sample ID: 885-829-34 MS
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: B-40AAB-W1
Prep Type: Total/NA
Prep Batch: 1591

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.4	34.8		mg/Kg		73	54 - 135

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	97		69 - 147

Lab Sample ID: 885-829-34 MSD
Matrix: Solid
Analysis Batch: 1646

Client Sample ID: B-40AAB-W1
Prep Type: Total/NA
Prep Batch: 1591

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.7	36.8		mg/Kg		77	54 - 135	6	29

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	96		69 - 147

Lab Sample ID: MB 885-1624/1-A
Matrix: Solid
Analysis Batch: 1713

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1624

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		03/13/24 08:49	03/14/24 09:59	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		03/13/24 08:49	03/14/24 09:59	1

	MB	MB		Prepared	Analyzed	Dil Fac
Surrogate	%Recovery	Qualifier	Limits			
Di-n-octyl phthalate (Surr)	92		62 - 134	03/13/24 08:49	03/14/24 09:59	1

Lab Sample ID: LCS 885-1624/2-A
Matrix: Solid
Analysis Batch: 1713

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1624

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.3		mg/Kg		99	60 - 135

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-829-A-39-C MS
Matrix: Solid
Analysis Batch: 1713

Client Sample ID: 885-829-A-39-C MS
Prep Type: Total/NA
Prep Batch: 1624

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		46.8	47.5		mg/Kg		102	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
Di-n-octyl phthalate (Surr)	104		62 - 134							

Lab Sample ID: 885-829-A-39-D MSD
Matrix: Solid
Analysis Batch: 1713

Client Sample ID: 885-829-A-39-D MSD
Prep Type: Total/NA
Prep Batch: 1624

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		47.6	47.7		mg/Kg		100	44 - 136	0	29
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
Di-n-octyl phthalate (Surr)	105		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-1587/1-A
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1587

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/12/24 13:11	03/12/24 14:54	1

Lab Sample ID: LCS 885-1587/2-A
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1587

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.2		mg/Kg		94	90 - 110

Lab Sample ID: 885-829-4 MS
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: B-2A
Prep Type: Total/NA
Prep Batch: 1587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	67		29.9	94.8		mg/Kg		91	50 - 150

Lab Sample ID: 885-829-4 MSD
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: B-2A
Prep Type: Total/NA
Prep Batch: 1587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	67		30.0	94.9		mg/Kg		92	50 - 150	0	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-1603/1-A
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/12/24 15:22	03/12/24 16:23	1

Lab Sample ID: LCS 885-1603/2-A
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.1		mg/Kg		94	90 - 110

Lab Sample ID: 885-829-16 MS
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: B-39AAB
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150

Lab Sample ID: 885-829-16 MSD
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: B-39AAB
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	ND		29.9	ND		mg/Kg		NC	50 - 150	NC	20

Lab Sample ID: 885-829-20 MS
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: B-6AB-W1
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	68		30.0	95.7		mg/Kg		93	50 - 150

Lab Sample ID: 885-829-20 MSD
 Matrix: Solid
 Analysis Batch: 1651

Client Sample ID: B-6AB-W1
 Prep Type: Total/NA
 Prep Batch: 1603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Chloride	68		29.8	94.3		mg/Kg		89	50 - 150	1	20

Lab Sample ID: MB 885-1610/1-A
 Matrix: Solid
 Analysis Batch: 1637

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 1610

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		03/12/24 16:30	03/12/24 22:28	1

Lab Sample ID: LCS 885-1610/2-A
 Matrix: Solid
 Analysis Batch: 1637

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 1610

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.2		mg/Kg		95	90 - 110

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-829-33 MS
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: B-39AAB-W1
Prep Type: Total/NA
Prep Batch: 1610

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	340		30.0	368	4	mg/Kg		89	50 - 150

Lab Sample ID: 885-829-33 MSD
Matrix: Solid
Analysis Batch: 1637

Client Sample ID: B-39AAB-W1
Prep Type: Total/NA
Prep Batch: 1610

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	340		29.9	379	4	mg/Kg		125	50 - 150	3	20

Lab Sample ID: MB 885-1629/1-A
Matrix: Solid
Analysis Batch: 1697

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 1629

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		03/13/24 10:18	03/13/24 11:04	1

Lab Sample ID: LCS 885-1629/2-A
Matrix: Solid
Analysis Batch: 1697

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 1629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.2	28.6		mg/Kg		95	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC VOA

Prep Batch: 1514

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	5030C	
885-829-2	B-6AB	Total/NA	Solid	5030C	
885-829-3	B-22AB	Total/NA	Solid	5030C	
885-829-4	B-2A	Total/NA	Solid	5030C	
885-829-5	B-2AAB	Total/NA	Solid	5030C	
885-829-6	B-3AAB	Total/NA	Solid	5030C	
885-829-7	B-9AAB	Total/NA	Solid	5030C	
885-829-8	B-11AB	Total/NA	Solid	5030C	
885-829-9	B-13AB	Total/NA	Solid	5030C	
885-829-10	B-27AAB	Total/NA	Solid	5030C	
885-829-11	B-31AB	Total/NA	Solid	5030C	
885-829-12	B-33AAB	Total/NA	Solid	5030C	
MB 885-1514/25-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1514/26-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1514/27-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 1538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-13	B-35AAB	Total/NA	Solid	5030C	
885-829-14	B-36AAB	Total/NA	Solid	5030C	
885-829-15	B-37AAB	Total/NA	Solid	5030C	
885-829-16	B-39AAB	Total/NA	Solid	5030C	
885-829-17	B-40AAB	Total/NA	Solid	5030C	
885-829-18	B-5AB-W1	Total/NA	Solid	5030C	
885-829-19	B-5AB-W2	Total/NA	Solid	5030C	
885-829-20	B-6AB-W1	Total/NA	Solid	5030C	
885-829-21	B-22AB-W1	Total/NA	Solid	5030C	
885-829-22	B-22AB-W2	Total/NA	Solid	5030C	
885-829-23	R-2A-W1	Total/NA	Solid	5030C	
885-829-24	R-2A-W2	Total/NA	Solid	5030C	
885-829-25	B-2AAB-W1	Total/NA	Solid	5030C	
885-829-26	B-3AAB-W1	Total/NA	Solid	5030C	
885-829-27	B-9AAB-W1	Total/NA	Solid	5030C	
885-829-28	B-11AB-W1	Total/NA	Solid	5030C	
885-829-29	B-11AB-W2	Total/NA	Solid	5030C	
885-829-30	B-13AB-W1	Total/NA	Solid	5030C	
885-829-31	B-13AB-W2	Total/NA	Solid	5030C	
885-829-32	B-31AB-W1	Total/NA	Solid	5030C	
MB 885-1538/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1538/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1538/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-829-13 MS	B-35AAB	Total/NA	Solid	5030C	
885-829-13 MSD	B-35AAB	Total/NA	Solid	5030C	
885-829-14 MS	B-36AAB	Total/NA	Solid	5030C	
885-829-14 MSD	B-36AAB	Total/NA	Solid	5030C	

Prep Batch: 1570

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-33	B-39AAB-W1	Total/NA	Solid	5030C	
885-829-34	B-40AAB-W1	Total/NA	Solid	5030C	
MB 885-1570/1-A	Method Blank	Total/NA	Solid	5030C	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC VOA (Continued)

Prep Batch: 1570 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-1570/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1570/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 1598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	5030C	
885-829-36	B-27AAB-W1	Total/NA	Solid	5030C	
885-829-37	B-27AAB-W2	Total/NA	Solid	5030C	
885-829-38	B-36AAB-W1	Total/NA	Solid	5030C	
885-829-39	B-33AAB-W1	Total/NA	Solid	5030C	
MB 885-1598/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-1598/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-1598/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 1654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	8015D	1514
885-829-2	B-6AB	Total/NA	Solid	8015D	1514
885-829-3	B-22AB	Total/NA	Solid	8015D	1514
885-829-4	B-2A	Total/NA	Solid	8015D	1514
885-829-5	B-2AAB	Total/NA	Solid	8015D	1514
885-829-6	B-3AAB	Total/NA	Solid	8015D	1514
885-829-7	B-9AAB	Total/NA	Solid	8015D	1514
885-829-8	B-11AB	Total/NA	Solid	8015D	1514
885-829-9	B-13AB	Total/NA	Solid	8015D	1514
885-829-10	B-27AAB	Total/NA	Solid	8015D	1514
885-829-11	B-31AB	Total/NA	Solid	8015D	1514
885-829-12	B-33AAB	Total/NA	Solid	8015D	1514
MB 885-1514/25-A	Method Blank	Total/NA	Solid	8015D	1514
LCS 885-1514/26-A	Lab Control Sample	Total/NA	Solid	8015D	1514

Analysis Batch: 1655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	8021B	1514
885-829-2	B-6AB	Total/NA	Solid	8021B	1514
885-829-3	B-22AB	Total/NA	Solid	8021B	1514
885-829-4	B-2A	Total/NA	Solid	8021B	1514
885-829-5	B-2AAB	Total/NA	Solid	8021B	1514
885-829-6	B-3AAB	Total/NA	Solid	8021B	1514
885-829-7	B-9AAB	Total/NA	Solid	8021B	1514
885-829-8	B-11AB	Total/NA	Solid	8021B	1514
885-829-9	B-13AB	Total/NA	Solid	8021B	1514
885-829-10	B-27AAB	Total/NA	Solid	8021B	1514
885-829-11	B-31AB	Total/NA	Solid	8021B	1514
885-829-12	B-33AAB	Total/NA	Solid	8021B	1514
MB 885-1514/25-A	Method Blank	Total/NA	Solid	8021B	1514
LCS 885-1514/27-A	Lab Control Sample	Total/NA	Solid	8021B	1514

Analysis Batch: 1717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-33	B-39AAB-W1	Total/NA	Solid	8015D	1570

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

GC VOA (Continued)

Analysis Batch: 1717 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-34	B-40AAB-W1	Total/NA	Solid	8015D	1570
MB 885-1570/1-A	Method Blank	Total/NA	Solid	8015D	1570
LCS 885-1570/2-A	Lab Control Sample	Total/NA	Solid	8015D	1570

Analysis Batch: 1719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	8015D	1598
885-829-36	B-27AAB-W1	Total/NA	Solid	8015D	1598
885-829-37	B-27AAB-W2	Total/NA	Solid	8015D	1598
885-829-38	B-36AAB-W1	Total/NA	Solid	8015D	1598
885-829-39	B-33AAB-W1	Total/NA	Solid	8015D	1598
MB 885-1598/1-A	Method Blank	Total/NA	Solid	8015D	1598
LCS 885-1598/2-A	Lab Control Sample	Total/NA	Solid	8015D	1598

Analysis Batch: 1720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	8021B	1598
885-829-36	B-27AAB-W1	Total/NA	Solid	8021B	1598
885-829-37	B-27AAB-W2	Total/NA	Solid	8021B	1598
885-829-38	B-36AAB-W1	Total/NA	Solid	8021B	1598
885-829-39	B-33AAB-W1	Total/NA	Solid	8021B	1598
MB 885-1598/1-A	Method Blank	Total/NA	Solid	8021B	1598
LCS 885-1598/3-A	Lab Control Sample	Total/NA	Solid	8021B	1598

Analysis Batch: 1775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-33	B-39AAB-W1	Total/NA	Solid	8021B	1570
885-829-34	B-40AAB-W1	Total/NA	Solid	8021B	1570
MB 885-1570/1-A	Method Blank	Total/NA	Solid	8021B	1570
LCS 885-1570/3-A	Lab Control Sample	Total/NA	Solid	8021B	1570

Analysis Batch: 1781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-13	B-35AAB	Total/NA	Solid	8015D	1538
885-829-14	B-36AAB	Total/NA	Solid	8015D	1538
885-829-15	B-37AAB	Total/NA	Solid	8015D	1538
885-829-16	B-39AAB	Total/NA	Solid	8015D	1538
885-829-17	B-40AAB	Total/NA	Solid	8015D	1538
885-829-18	B-5AB-W1	Total/NA	Solid	8015D	1538
885-829-19	B-5AB-W2	Total/NA	Solid	8015D	1538
885-829-20	B-6AB-W1	Total/NA	Solid	8015D	1538
885-829-21	B-22AB-W1	Total/NA	Solid	8015D	1538
885-829-22	B-22AB-W2	Total/NA	Solid	8015D	1538
885-829-23	R-2A-W1	Total/NA	Solid	8015D	1538
885-829-24	R-2A-W2	Total/NA	Solid	8015D	1538
885-829-25	B-2AAB-W1	Total/NA	Solid	8015D	1538
885-829-26	B-3AAB-W1	Total/NA	Solid	8015D	1538
885-829-27	B-9AAB-W1	Total/NA	Solid	8015D	1538
885-829-28	B-11AB-W1	Total/NA	Solid	8015D	1538
885-829-29	B-11AB-W2	Total/NA	Solid	8015D	1538
885-829-30	B-13AB-W1	Total/NA	Solid	8015D	1538

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC VOA (Continued)

Analysis Batch: 1781 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-31	B-13AB-W2	Total/NA	Solid	8015D	1538
885-829-32	B-31AB-W1	Total/NA	Solid	8015D	1538
MB 885-1538/1-A	Method Blank	Total/NA	Solid	8015D	1538
LCS 885-1538/2-A	Lab Control Sample	Total/NA	Solid	8015D	1538
885-829-13 MS	B-35AAB	Total/NA	Solid	8015D	1538
885-829-13 MSD	B-35AAB	Total/NA	Solid	8015D	1538

Analysis Batch: 1782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-13	B-35AAB	Total/NA	Solid	8021B	1538
885-829-14	B-36AAB	Total/NA	Solid	8021B	1538
885-829-15	B-37AAB	Total/NA	Solid	8021B	1538
885-829-16	B-39AAB	Total/NA	Solid	8021B	1538
885-829-17	B-40AAB	Total/NA	Solid	8021B	1538
885-829-18	B-5AB-W1	Total/NA	Solid	8021B	1538
885-829-19	B-5AB-W2	Total/NA	Solid	8021B	1538
885-829-20	B-6AB-W1	Total/NA	Solid	8021B	1538
885-829-21	B-22AB-W1	Total/NA	Solid	8021B	1538
885-829-22	B-22AB-W2	Total/NA	Solid	8021B	1538
885-829-23	R-2A-W1	Total/NA	Solid	8021B	1538
885-829-24	R-2A-W2	Total/NA	Solid	8021B	1538
885-829-25	B-2AAB-W1	Total/NA	Solid	8021B	1538
885-829-26	B-3AAB-W1	Total/NA	Solid	8021B	1538
885-829-27	B-9AAB-W1	Total/NA	Solid	8021B	1538
885-829-28	B-11AB-W1	Total/NA	Solid	8021B	1538
885-829-29	B-11AB-W2	Total/NA	Solid	8021B	1538
885-829-30	B-13AB-W1	Total/NA	Solid	8021B	1538
885-829-31	B-13AB-W2	Total/NA	Solid	8021B	1538
885-829-32	B-31AB-W1	Total/NA	Solid	8021B	1538
MB 885-1538/1-A	Method Blank	Total/NA	Solid	8021B	1538
LCS 885-1538/3-A	Lab Control Sample	Total/NA	Solid	8021B	1538
885-829-14 MS	B-36AAB	Total/NA	Solid	8021B	1538
885-829-14 MSD	B-36AAB	Total/NA	Solid	8021B	1538

GC Semi VOA

Prep Batch: 1534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	SHAKE	
885-829-2	B-6AB	Total/NA	Solid	SHAKE	
885-829-3	B-22AB	Total/NA	Solid	SHAKE	
885-829-4	B-2A	Total/NA	Solid	SHAKE	
885-829-5	B-2AAB	Total/NA	Solid	SHAKE	
885-829-6	B-3AAB	Total/NA	Solid	SHAKE	
885-829-7	B-9AAB	Total/NA	Solid	SHAKE	
885-829-8	B-11AB	Total/NA	Solid	SHAKE	
885-829-9	B-13AB	Total/NA	Solid	SHAKE	
885-829-10	B-27AAB	Total/NA	Solid	SHAKE	
885-829-11	B-31AB	Total/NA	Solid	SHAKE	
885-829-12	B-33AAB	Total/NA	Solid	SHAKE	
MB 885-1534/1-A	Method Blank	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC Semi VOA (Continued)

Prep Batch: 1534 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-1534/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-829-12 MS	B-33AAB	Total/NA	Solid	SHAKE	
885-829-12 MSD	B-33AAB	Total/NA	Solid	SHAKE	

Prep Batch: 1575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-13	B-35AAB	Total/NA	Solid	SHAKE	
885-829-14	B-36AAB	Total/NA	Solid	SHAKE	
885-829-15	B-37AAB	Total/NA	Solid	SHAKE	
885-829-16	B-39AAB	Total/NA	Solid	SHAKE	
885-829-17	B-40AAB	Total/NA	Solid	SHAKE	
885-829-18	B-5AB-W1	Total/NA	Solid	SHAKE	
885-829-19	B-5AB-W2	Total/NA	Solid	SHAKE	
885-829-20	B-6AB-W1	Total/NA	Solid	SHAKE	
885-829-21	B-22AB-W1	Total/NA	Solid	SHAKE	
885-829-22	B-22AB-W2	Total/NA	Solid	SHAKE	
885-829-23	R-2A-W1	Total/NA	Solid	SHAKE	
885-829-24	R-2A-W2	Total/NA	Solid	SHAKE	
885-829-25	B-2AAB-W1	Total/NA	Solid	SHAKE	
885-829-26	B-3AAB-W1	Total/NA	Solid	SHAKE	
885-829-27	B-9AAB-W1	Total/NA	Solid	SHAKE	
885-829-28	B-11AB-W1	Total/NA	Solid	SHAKE	
885-829-29	B-11AB-W2	Total/NA	Solid	SHAKE	
885-829-30	B-13AB-W1	Total/NA	Solid	SHAKE	
885-829-31	B-13AB-W2	Total/NA	Solid	SHAKE	
885-829-32	B-31AB-W1	Total/NA	Solid	SHAKE	
MB 885-1575/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1575/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-829-32 MS	B-31AB-W1	Total/NA	Solid	SHAKE	
885-829-32 MSD	B-31AB-W1	Total/NA	Solid	SHAKE	

Analysis Batch: 1576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	8015D	1534
885-829-2	B-6AB	Total/NA	Solid	8015D	1534
885-829-3	B-22AB	Total/NA	Solid	8015D	1534
885-829-4	B-2A	Total/NA	Solid	8015D	1534
885-829-5	B-2AAB	Total/NA	Solid	8015D	1534
885-829-6	B-3AAB	Total/NA	Solid	8015D	1534
885-829-7	B-9AAB	Total/NA	Solid	8015D	1534
885-829-8	B-11AB	Total/NA	Solid	8015D	1534
885-829-9	B-13AB	Total/NA	Solid	8015D	1534
885-829-10	B-27AAB	Total/NA	Solid	8015D	1534
885-829-11	B-31AB	Total/NA	Solid	8015D	1534
885-829-12	B-33AAB	Total/NA	Solid	8015D	1534
MB 885-1534/1-A	Method Blank	Total/NA	Solid	8015D	1534
LCS 885-1534/2-A	Lab Control Sample	Total/NA	Solid	8015D	1534
885-829-12 MS	B-33AAB	Total/NA	Solid	8015D	1534
885-829-12 MSD	B-33AAB	Total/NA	Solid	8015D	1534

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC Semi VOA

Prep Batch: 1591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-33	B-39AAB-W1	Total/NA	Solid	SHAKE	
885-829-34	B-40AAB-W1	Total/NA	Solid	SHAKE	
MB 885-1591/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1591/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-829-34 MS	B-40AAB-W1	Total/NA	Solid	SHAKE	
885-829-34 MSD	B-40AAB-W1	Total/NA	Solid	SHAKE	

Prep Batch: 1624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	SHAKE	
885-829-36	B-27AAB-W1	Total/NA	Solid	SHAKE	
885-829-37	B-27AAB-W2	Total/NA	Solid	SHAKE	
885-829-38	B-36AAB-W1	Total/NA	Solid	SHAKE	
885-829-39	B-33AAB-W1	Total/NA	Solid	SHAKE	
MB 885-1624/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-1624/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-829-A-39-C MS	885-829-A-39-C MS	Total/NA	Solid	SHAKE	
885-829-A-39-D MSD	885-829-A-39-D MSD	Total/NA	Solid	SHAKE	

Analysis Batch: 1646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-13	B-35AAB	Total/NA	Solid	8015D	1575
885-829-14	B-36AAB	Total/NA	Solid	8015D	1575
885-829-15	B-37AAB	Total/NA	Solid	8015D	1575
885-829-16	B-39AAB	Total/NA	Solid	8015D	1575
885-829-17	B-40AAB	Total/NA	Solid	8015D	1575
885-829-18	B-5AB-W1	Total/NA	Solid	8015D	1575
885-829-19	B-5AB-W2	Total/NA	Solid	8015D	1575
885-829-20	B-6AB-W1	Total/NA	Solid	8015D	1575
885-829-21	B-22AB-W1	Total/NA	Solid	8015D	1575
885-829-22	B-22AB-W2	Total/NA	Solid	8015D	1575
885-829-23	R-2A-W1	Total/NA	Solid	8015D	1575
885-829-24	R-2A-W2	Total/NA	Solid	8015D	1575
885-829-25	B-2AAB-W1	Total/NA	Solid	8015D	1575
885-829-26	B-3AAB-W1	Total/NA	Solid	8015D	1575
885-829-27	B-9AAB-W1	Total/NA	Solid	8015D	1575
885-829-28	B-11AB-W1	Total/NA	Solid	8015D	1575
885-829-29	B-11AB-W2	Total/NA	Solid	8015D	1575
885-829-30	B-13AB-W1	Total/NA	Solid	8015D	1575
885-829-31	B-13AB-W2	Total/NA	Solid	8015D	1575
885-829-32	B-31AB-W1	Total/NA	Solid	8015D	1575
885-829-33	B-39AAB-W1	Total/NA	Solid	8015D	1591
885-829-34	B-40AAB-W1	Total/NA	Solid	8015D	1591
MB 885-1575/1-A	Method Blank	Total/NA	Solid	8015D	1575
MB 885-1591/1-A	Method Blank	Total/NA	Solid	8015D	1591
LCS 885-1575/2-A	Lab Control Sample	Total/NA	Solid	8015D	1575
LCS 885-1591/2-A	Lab Control Sample	Total/NA	Solid	8015D	1591
885-829-32 MS	B-31AB-W1	Total/NA	Solid	8015D	1575
885-829-32 MSD	B-31AB-W1	Total/NA	Solid	8015D	1575
885-829-34 MS	B-40AAB-W1	Total/NA	Solid	8015D	1591
885-829-34 MSD	B-40AAB-W1	Total/NA	Solid	8015D	1591

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

GC Semi VOA

Analysis Batch: 1713

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	8015D	1624
885-829-36	B-27AAB-W1	Total/NA	Solid	8015D	1624
885-829-37	B-27AAB-W2	Total/NA	Solid	8015D	1624
885-829-38	B-36AAB-W1	Total/NA	Solid	8015D	1624
885-829-39	B-33AAB-W1	Total/NA	Solid	8015D	1624
MB 885-1624/1-A	Method Blank	Total/NA	Solid	8015D	1624
LCS 885-1624/2-A	Lab Control Sample	Total/NA	Solid	8015D	1624
885-829-A-39-C MS	885-829-A-39-C MS	Total/NA	Solid	8015D	1624
885-829-A-39-D MSD	885-829-A-39-D MSD	Total/NA	Solid	8015D	1624

HPLC/IC

Prep Batch: 1587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	300_Prep	
885-829-2	B-6AB	Total/NA	Solid	300_Prep	
885-829-3	B-22AB	Total/NA	Solid	300_Prep	
885-829-4	B-2A	Total/NA	Solid	300_Prep	
885-829-5	B-2AAB	Total/NA	Solid	300_Prep	
885-829-6	B-3AAB	Total/NA	Solid	300_Prep	
885-829-7	B-9AAB	Total/NA	Solid	300_Prep	
885-829-8	B-11AB	Total/NA	Solid	300_Prep	
MB 885-1587/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1587/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-829-4 MS	B-2A	Total/NA	Solid	300_Prep	
885-829-4 MSD	B-2A	Total/NA	Solid	300_Prep	

Prep Batch: 1603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-9	B-13AB	Total/NA	Solid	300_Prep	
885-829-10	B-27AAB	Total/NA	Solid	300_Prep	
885-829-11	B-31AB	Total/NA	Solid	300_Prep	
885-829-12	B-33AAB	Total/NA	Solid	300_Prep	
885-829-13	B-35AAB	Total/NA	Solid	300_Prep	
885-829-14	B-36AAB	Total/NA	Solid	300_Prep	
885-829-15	B-37AAB	Total/NA	Solid	300_Prep	
885-829-16	B-39AAB	Total/NA	Solid	300_Prep	
885-829-17	B-40AAB	Total/NA	Solid	300_Prep	
885-829-18	B-5AB-W1	Total/NA	Solid	300_Prep	
885-829-19	B-5AB-W2	Total/NA	Solid	300_Prep	
885-829-20	B-6AB-W1	Total/NA	Solid	300_Prep	
885-829-21	B-22AB-W1	Total/NA	Solid	300_Prep	
885-829-22	B-22AB-W2	Total/NA	Solid	300_Prep	
885-829-23	R-2A-W1	Total/NA	Solid	300_Prep	
885-829-24	R-2A-W2	Total/NA	Solid	300_Prep	
885-829-25	B-2AAB-W1	Total/NA	Solid	300_Prep	
885-829-26	B-3AAB-W1	Total/NA	Solid	300_Prep	
885-829-27	B-9AAB-W1	Total/NA	Solid	300_Prep	
885-829-28	B-11AB-W1	Total/NA	Solid	300_Prep	
MB 885-1603/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1603/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

HPLC/IC (Continued)

Prep Batch: 1603 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-16 MS	B-39AAB	Total/NA	Solid	300_Prep	
885-829-16 MSD	B-39AAB	Total/NA	Solid	300_Prep	
885-829-20 MS	B-6AB-W1	Total/NA	Solid	300_Prep	
885-829-20 MSD	B-6AB-W1	Total/NA	Solid	300_Prep	

Prep Batch: 1610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-29	B-11AB-W2	Total/NA	Solid	300_Prep	
885-829-30	B-13AB-W1	Total/NA	Solid	300_Prep	
885-829-31	B-13AB-W2	Total/NA	Solid	300_Prep	
885-829-32	B-31AB-W1	Total/NA	Solid	300_Prep	
885-829-33	B-39AAB-W1	Total/NA	Solid	300_Prep	
885-829-34	B-40AAB-W1	Total/NA	Solid	300_Prep	
MB 885-1610/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1610/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-829-33 MS	B-39AAB-W1	Total/NA	Solid	300_Prep	
885-829-33 MSD	B-39AAB-W1	Total/NA	Solid	300_Prep	

Prep Batch: 1629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	300_Prep	
885-829-36	B-27AAB-W1	Total/NA	Solid	300_Prep	
885-829-37	B-27AAB-W2	Total/NA	Solid	300_Prep	
885-829-38	B-36AAB-W1	Total/NA	Solid	300_Prep	
885-829-39	B-33AAB-W1	Total/NA	Solid	300_Prep	
MB 885-1629/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-1629/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 1637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-1	B-5AB	Total/NA	Solid	300.0	1587
885-829-2	B-6AB	Total/NA	Solid	300.0	1587
885-829-3	B-22AB	Total/NA	Solid	300.0	1587
885-829-4	B-2A	Total/NA	Solid	300.0	1587
885-829-5	B-2AAB	Total/NA	Solid	300.0	1587
885-829-6	B-3AAB	Total/NA	Solid	300.0	1587
885-829-7	B-9AAB	Total/NA	Solid	300.0	1587
885-829-8	B-11AB	Total/NA	Solid	300.0	1587
885-829-29	B-11AB-W2	Total/NA	Solid	300.0	1610
885-829-30	B-13AB-W1	Total/NA	Solid	300.0	1610
885-829-31	B-13AB-W2	Total/NA	Solid	300.0	1610
885-829-32	B-31AB-W1	Total/NA	Solid	300.0	1610
885-829-33	B-39AAB-W1	Total/NA	Solid	300.0	1610
885-829-34	B-40AAB-W1	Total/NA	Solid	300.0	1610
MB 885-1587/1-A	Method Blank	Total/NA	Solid	300.0	1587
MB 885-1610/1-A	Method Blank	Total/NA	Solid	300.0	1610
LCS 885-1587/2-A	Lab Control Sample	Total/NA	Solid	300.0	1587
LCS 885-1610/2-A	Lab Control Sample	Total/NA	Solid	300.0	1610
885-829-4 MS	B-2A	Total/NA	Solid	300.0	1587
885-829-4 MSD	B-2A	Total/NA	Solid	300.0	1587
885-829-33 MS	B-39AAB-W1	Total/NA	Solid	300.0	1610

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

HPLC/IC (Continued)

Analysis Batch: 1637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-33 MSD	B-39AAB-W1	Total/NA	Solid	300.0	1610

Analysis Batch: 1651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-9	B-13AB	Total/NA	Solid	300.0	1603
885-829-10	B-27AAB	Total/NA	Solid	300.0	1603
885-829-11	B-31AB	Total/NA	Solid	300.0	1603
885-829-12	B-33AAB	Total/NA	Solid	300.0	1603
885-829-13	B-35AAB	Total/NA	Solid	300.0	1603
885-829-14	B-36AAB	Total/NA	Solid	300.0	1603
885-829-15	B-37AAB	Total/NA	Solid	300.0	1603
885-829-16	B-39AAB	Total/NA	Solid	300.0	1603
885-829-17	B-40AAB	Total/NA	Solid	300.0	1603
885-829-18	B-5AB-W1	Total/NA	Solid	300.0	1603
885-829-19	B-5AB-W2	Total/NA	Solid	300.0	1603
885-829-20	B-6AB-W1	Total/NA	Solid	300.0	1603
885-829-21	B-22AB-W1	Total/NA	Solid	300.0	1603
885-829-22	B-22AB-W2	Total/NA	Solid	300.0	1603
885-829-23	R-2A-W1	Total/NA	Solid	300.0	1603
885-829-24	R-2A-W2	Total/NA	Solid	300.0	1603
885-829-25	B-2AAB-W1	Total/NA	Solid	300.0	1603
885-829-26	B-3AAB-W1	Total/NA	Solid	300.0	1603
885-829-27	B-9AAB-W1	Total/NA	Solid	300.0	1603
885-829-28	B-11AB-W1	Total/NA	Solid	300.0	1603
MB 885-1603/1-A	Method Blank	Total/NA	Solid	300.0	1603
LCS 885-1603/2-A	Lab Control Sample	Total/NA	Solid	300.0	1603
885-829-16 MS	B-39AAB	Total/NA	Solid	300.0	1603
885-829-16 MSD	B-39AAB	Total/NA	Solid	300.0	1603
885-829-20 MS	B-6AB-W1	Total/NA	Solid	300.0	1603
885-829-20 MSD	B-6AB-W1	Total/NA	Solid	300.0	1603

Analysis Batch: 1697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-829-35	B-37AAB-W1	Total/NA	Solid	300.0	1629
885-829-36	B-27AAB-W1	Total/NA	Solid	300.0	1629
885-829-37	B-27AAB-W2	Total/NA	Solid	300.0	1629
885-829-38	B-36AAB-W1	Total/NA	Solid	300.0	1629
885-829-39	B-33AAB-W1	Total/NA	Solid	300.0	1629
MB 885-1629/1-A	Method Blank	Total/NA	Solid	300.0	1629
LCS 885-1629/2-A	Lab Control Sample	Total/NA	Solid	300.0	1629

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-5AB

Lab Sample ID: 885-829-1

Date Collected: 03/07/24 09:40

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/12/24 22:53
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/12/24 22:53
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 18:54
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 16:25

Client Sample ID: B-6AB

Lab Sample ID: 885-829-2

Date Collected: 03/07/24 09:42

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/12/24 23:17
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/12/24 23:17
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 19:06
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 16:40

Client Sample ID: B-22AB

Lab Sample ID: 885-829-3

Date Collected: 03/07/24 09:44

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 00:04
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 00:04
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 19:30
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 16:55

Client Sample ID: B-2A

Lab Sample ID: 885-829-4

Date Collected: 03/07/24 10:12

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 00:28

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-2A

Date Collected: 03/07/24 10:12

Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 00:28
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 19:43
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 17:10

Client Sample ID: B-2AAB

Date Collected: 03/07/24 10:16

Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 00:51
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 00:51
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 19:54
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 18:26

Client Sample ID: B-3AAB

Date Collected: 03/07/24 10:20

Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 01:15
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 01:15
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 20:07
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 18:41

Client Sample ID: B-9AAB

Date Collected: 03/07/24 10:24

Date Received: 03/09/24 08:30

Lab Sample ID: 885-829-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 01:39
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 01:39

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-9AAB

Lab Sample ID: 885-829-7

Date Collected: 03/07/24 10:24

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 20:19
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 18:56

Client Sample ID: B-11AB

Lab Sample ID: 885-829-8

Date Collected: 03/07/24 10:28

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 02:02
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:44
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 02:02
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 20:31
Total/NA	Prep	300_Prep			1587	KB	EET ALB	03/12/24 13:11
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 19:11

Client Sample ID: B-13AB

Lab Sample ID: 885-829-9

Date Collected: 03/07/24 10:30

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 02:26
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 02:26
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 20:43
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 17:30

Client Sample ID: B-27AAB

Lab Sample ID: 885-829-10

Date Collected: 03/07/24 11:20

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 02:49
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 02:49
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 20:55

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-27AAB

Lab Sample ID: 885-829-10

Date Collected: 03/07/24 11:20

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 17:42

Client Sample ID: B-31AB

Lab Sample ID: 885-829-11

Date Collected: 03/07/24 11:22

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 03:13
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 03:13
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 21:06
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 17:55

Client Sample ID: B-33AAB

Lab Sample ID: 885-829-12

Date Collected: 03/07/24 11:24

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8015D		1	1654	JP	EET ALB	03/13/24 03:37
Total/NA	Prep	5030C			1514	IMR	EET ALB	03/11/24 10:47
Total/NA	Analysis	8021B		1	1655	JP	EET ALB	03/13/24 03:37
Total/NA	Prep	SHAKE			1534	JU	EET ALB	03/11/24 14:10
Total/NA	Analysis	8015D		1	1576	JU	EET ALB	03/11/24 21:18
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 18:07

Client Sample ID: B-35AAB

Lab Sample ID: 885-829-13

Date Collected: 03/07/24 11:26

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 18:51
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 18:51
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 15:50
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 18:19

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-36AAB

Lab Sample ID: 885-829-14

Date Collected: 03/07/24 11:40

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 20:01
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 20:01
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 16:03
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 18:32

Client Sample ID: B-37AAB

Lab Sample ID: 885-829-15

Date Collected: 03/07/24 11:42

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 21:12
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 21:12
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 16:15
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 18:44

Client Sample ID: B-39AAB

Lab Sample ID: 885-829-16

Date Collected: 03/07/24 11:44

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 21:35
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 21:35
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 16:27
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 18:56

Client Sample ID: B-40AAB

Lab Sample ID: 885-829-17

Date Collected: 03/07/24 11:50

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 21:59

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-40AAB

Lab Sample ID: 885-829-17

Date Collected: 03/07/24 11:50

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 21:59
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 16:39
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 19:58

Client Sample ID: B-5AB-W1

Lab Sample ID: 885-829-18

Date Collected: 03/07/24 13:30

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 22:46
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 22:46
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 16:51
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 20:11

Client Sample ID: B-5AB-W2

Lab Sample ID: 885-829-19

Date Collected: 03/07/24 13:32

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 23:09
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 23:09
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 17:04
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 20:23

Client Sample ID: B-6AB-W1

Lab Sample ID: 885-829-20

Date Collected: 03/07/24 13:40

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 23:33
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 23:33

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-6AB-W1

Lab Sample ID: 885-829-20

Date Collected: 03/07/24 13:40

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 17:16
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 20:35

Client Sample ID: B-22AB-W1

Lab Sample ID: 885-829-21

Date Collected: 03/07/24 13:44

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/14/24 23:56
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/14/24 23:56
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 17:28
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 21:12

Client Sample ID: B-22AB-W2

Lab Sample ID: 885-829-22

Date Collected: 03/07/24 13:46

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 00:20
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 00:20
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 17:40
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 21:25

Client Sample ID: R-2A-W1

Lab Sample ID: 885-829-23

Date Collected: 03/07/24 13:52

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 00:43
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 00:43
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 18:05

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: R-2A-W1

Lab Sample ID: 885-829-23

Date Collected: 03/07/24 13:52

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 21:37

Client Sample ID: R-2A-W2

Lab Sample ID: 885-829-24

Date Collected: 03/07/24 13:54

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 01:07
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 01:07
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 18:17
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 21:49

Client Sample ID: B-2AAB-W1

Lab Sample ID: 885-829-25

Date Collected: 03/07/24 14:02

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 01:30
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 01:30
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 18:29
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 22:26

Client Sample ID: B-3AAB-W1

Lab Sample ID: 885-829-26

Date Collected: 03/07/24 14:06

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 01:54
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 01:54
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 18:41
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 22:39

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-9AAB-W1

Lab Sample ID: 885-829-27

Date Collected: 03/07/24 14:10

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 02:41
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 02:41
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 18:54
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 22:51

Client Sample ID: B-11AB-W1

Lab Sample ID: 885-829-28

Date Collected: 03/07/24 14:12

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 03:28
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 03:28
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 19:06
Total/NA	Prep	300_Prep			1603	KB	EET ALB	03/12/24 15:22
Total/NA	Analysis	300.0		20	1651	KB	EET ALB	03/12/24 23:03

Client Sample ID: B-11AB-W2

Lab Sample ID: 885-829-29

Date Collected: 03/07/24 14:16

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 03:51
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 03:51
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 19:18
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 22:58

Client Sample ID: B-13AB-W1

Lab Sample ID: 885-829-30

Date Collected: 03/07/24 14:30

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 04:15

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-13AB-W1

Lab Sample ID: 885-829-30

Date Collected: 03/07/24 14:30

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 04:15
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 19:30
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 23:14

Client Sample ID: B-13AB-W2

Lab Sample ID: 885-829-31

Date Collected: 03/07/24 14:32

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 04:38
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 04:38
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 19:43
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/12/24 23:59

Client Sample ID: B-31AB-W1

Lab Sample ID: 885-829-32

Date Collected: 03/07/24 14:34

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8015D		1	1781	JP	EET ALB	03/15/24 05:02
Total/NA	Prep	5030C			1538	IMR	EET ALB	03/11/24 14:29
Total/NA	Analysis	8021B		1	1782	JP	EET ALB	03/15/24 05:02
Total/NA	Prep	SHAKE			1575	DH	EET ALB	03/12/24 10:32
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/12/24 19:55
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/13/24 00:14

Client Sample ID: B-39AAB-W1

Lab Sample ID: 885-829-33

Date Collected: 03/07/24 14:36

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1570	IMR	EET ALB	03/12/24 09:51
Total/NA	Analysis	8015D		1	1717	IMR	EET ALB	03/14/24 00:29
Total/NA	Prep	5030C			1570	IMR	EET ALB	03/12/24 09:51
Total/NA	Analysis	8021B		1	1775	IMR	EET ALB	03/14/24 00:29

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-39AAB-W1

Lab Sample ID: 885-829-33

Date Collected: 03/07/24 14:36

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			1591	JU	EET ALB	03/12/24 14:00
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/13/24 01:09
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/13/24 00:29

Client Sample ID: B-40AAB-W1

Lab Sample ID: 885-829-34

Date Collected: 03/07/24 14:40

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1570	IMR	EET ALB	03/12/24 09:51
Total/NA	Analysis	8015D		1	1717	IMR	EET ALB	03/14/24 00:51
Total/NA	Prep	5030C			1570	IMR	EET ALB	03/12/24 09:51
Total/NA	Analysis	8021B		1	1775	IMR	EET ALB	03/14/24 00:51
Total/NA	Prep	SHAKE			1591	JU	EET ALB	03/12/24 14:00
Total/NA	Analysis	8015D		1	1646	JU	EET ALB	03/13/24 01:21
Total/NA	Prep	300_Prep			1610	KB	EET ALB	03/12/24 16:30
Total/NA	Analysis	300.0		20	1637	KB	EET ALB	03/13/24 01:15

Client Sample ID: B-37AAB-W1

Lab Sample ID: 885-829-35

Date Collected: 03/07/24 14:42

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8015D		1	1719	JP	EET ALB	03/14/24 02:40
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8021B		1	1720	JP	EET ALB	03/14/24 02:40
Total/NA	Prep	SHAKE			1624	JU	EET ALB	03/13/24 08:49
Total/NA	Analysis	8015D		1	1713	PD	EET ALB	03/14/24 14:59
Total/NA	Prep	300_Prep			1629	KB	EET ALB	03/13/24 10:18
Total/NA	Analysis	300.0		20	1697	KB	EET ALB	03/13/24 12:08

Client Sample ID: B-27AAB-W1

Lab Sample ID: 885-829-36

Date Collected: 03/07/24 14:44

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8015D		1	1719	JP	EET ALB	03/14/24 03:03
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8021B		1	1720	JP	EET ALB	03/14/24 03:03
Total/NA	Prep	SHAKE			1624	JU	EET ALB	03/13/24 08:49
Total/NA	Analysis	8015D		1	1713	PD	EET ALB	03/14/24 15:10

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-829-1

Client Sample ID: B-27AAB-W1

Lab Sample ID: 885-829-36

Date Collected: 03/07/24 14:44

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			1629	KB	EET ALB	03/13/24 10:18
Total/NA	Analysis	300.0		20	1697	KB	EET ALB	03/13/24 12:20

Client Sample ID: B-27AAB-W2

Lab Sample ID: 885-829-37

Date Collected: 03/07/24 14:50

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8015D		1	1719	JP	EET ALB	03/14/24 03:26
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8021B		1	1720	JP	EET ALB	03/14/24 03:26
Total/NA	Prep	SHAKE			1624	JU	EET ALB	03/13/24 08:49
Total/NA	Analysis	8015D		1	1713	PD	EET ALB	03/14/24 15:21
Total/NA	Prep	300_Prep			1629	KB	EET ALB	03/13/24 10:18
Total/NA	Analysis	300.0		20	1697	KB	EET ALB	03/13/24 12:32

Client Sample ID: B-36AAB-W1

Lab Sample ID: 885-829-38

Date Collected: 03/07/24 14:52

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8015D		1	1719	JP	EET ALB	03/14/24 03:50
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8021B		1	1720	JP	EET ALB	03/14/24 03:50
Total/NA	Prep	SHAKE			1624	JU	EET ALB	03/13/24 08:49
Total/NA	Analysis	8015D		1	1713	PD	EET ALB	03/14/24 15:32
Total/NA	Prep	300_Prep			1629	KB	EET ALB	03/13/24 10:18
Total/NA	Analysis	300.0		20	1697	KB	EET ALB	03/13/24 12:45

Client Sample ID: B-33AAB-W1

Lab Sample ID: 885-829-39

Date Collected: 03/07/24 14:54

Matrix: Solid

Date Received: 03/09/24 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8015D		1	1719	JP	EET ALB	03/14/24 04:13
Total/NA	Prep	5030C			1598	JP	EET ALB	03/12/24 15:00
Total/NA	Analysis	8021B		1	1720	JP	EET ALB	03/14/24 04:13
Total/NA	Prep	SHAKE			1624	JU	EET ALB	03/13/24 08:49
Total/NA	Analysis	8015D		1	1713	PD	EET ALB	03/14/24 15:43
Total/NA	Prep	300_Prep			1629	KB	EET ALB	03/13/24 10:18
Total/NA	Analysis	300.0		20	1697	KB	EET ALB	03/13/24 12:57

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-829-1

Method	Method Description	Protocol	Laboratory
8015D	Gasoline Range Organics (GRO) (GC)	SW846	EET ALB
8021B	Volatile Organic Compounds (GC)	SW846	EET ALB
8015D	Diesel Range Organics (DRO) (GC)	SW846	EET ALB
300.0	Anions, Ion Chromatography	EPA	EET ALB
300_Prep	Anions, Ion Chromatography, 10% Wt/Vol	EPA	EET ALB
5030C	Purge and Trap	SW846	EET ALB
SHAKE	Preparation, Shake Jar	TestAmerica SOP	EET ALB

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TestAmerica SOP = TestAmerica, Inc., Standard Operating Procedure

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:

Standard Rush 5 DAY TAT

Project Name:

ROY SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No 400

of Coolers: 1

Cooler Temp (including CF): 0.9 + 0.1 = 1.0 ~

HFAL No.



885-829 COC

Container Type and #

1 x 402 jar

Preservative Type

ICE

Date Time Matrix Sample Name

3/17/24 0940 Soil B-5A B

0942 B-6 A B

0944 B-22 A B

1012 B-2 A

1016 B-2 A A B

1026 B-3 A A B

1024 B-9 A A B

1028 B-11 A B

1036 B-13 A B

1126 B-27 A A B

1122 B-31 A B

1121 B-33 A A B

Date Time Relinquished by:

3/18/24 805

Date Time Relinquished by:

3/18/24 1900

Received by: Via: Date Time

W. Kierdorf 3/18/24 B25

Received by: Via: Date Time

W. Kierdorf 3/18/24 8:30

BTEX (8021)
TPH:8015D(GRO / DRO / MRO)
Chloride (EPA 300)

Analysis Request

Remarks: Bill to EOG Artesia

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-829-1

Login Number: 829

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	

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Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 4/26/2024 4:27:31 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-3108-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
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(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-3108-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-3108-1

Job ID: 885-3108-1

Eurofins Albuquerque

Job Narrative 885-3108-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 4/19/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-3793 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples that have Di-n-octyl phthalate (surrogate) recovery in are still being reported .The following samples are associated PWA-9 (885-3108-9), PWA-10 (885-3108-10), PBA-1 (885-3108-11), PBA-2 (885-3108-12), PBA-3 (885-3108-13), PBA-4 (885-3108-14), PBA-5 (885-3108-15), PBA-6 (885-3108-16), PBA-7 (885-3108-17), PBA-8 (885-3108-18), PBA-9 (885-3108-19), PBA-10 (885-3108-20), PBA-11 (885-3108-21), PBA-12 (885-3108-22), PBA-13 (885-3108-23), PBA-14 (885-3108-24), PBA-15 (885-3108-25), P-2B-W1 (885-3108-26), P-2B-W2 (885-3108-27), P-2B-W3 (885-3108-28), (CCV 885-3793/1), (CCV 885-3793/2), (CCV 885-3793/27), (LCS 885-3678/2-A), (MB 885-3678/1-A), (885-3108-A-28-C MS) and (885-3108-A-28-D MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-1

Lab Sample ID: 885-3108-1

Date Collected: 04/17/24 09:40

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 10:55	04/22/24 15:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 10:55	04/22/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		39 - 146			04/19/24 10:55	04/22/24 15:11	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/19/24 13:29	04/22/24 14:02	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/19/24 13:29	04/22/24 14:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			04/19/24 13:29	04/22/24 14:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		59	mg/Kg		04/22/24 14:40	04/23/24 17:06	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-2

Lab Sample ID: 885-3108-2

Date Collected: 04/17/24 09:44

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 10:55	04/22/24 15:35	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 10:55	04/22/24 15:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		39 - 146			04/19/24 10:55	04/22/24 15:35	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/19/24 13:29	04/22/24 14:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/19/24 13:29	04/22/24 14:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			04/19/24 13:29	04/22/24 14:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		04/22/24 14:40	04/23/24 17:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-3

Lab Sample ID: 885-3108-3

Date Collected: 04/17/24 09:46

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		15 - 244			04/19/24 10:55	04/22/24 15:59	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 10:55	04/22/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/22/24 15:59	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		04/19/24 13:29	04/22/24 16:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/19/24 13:29	04/22/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	94		62 - 134			04/19/24 13:29	04/22/24 16:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		59	mg/Kg		04/22/24 14:40	04/23/24 17:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		15 - 244			04/19/24 10:55	04/22/24 16:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/22/24 16:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 10:55	04/22/24 16:23	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		04/19/24 13:29	04/22/24 17:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 13:29	04/22/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	68		62 - 134			04/19/24 13:29	04/22/24 17:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 14:40	04/23/24 17:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-5

Lab Sample ID: 885-3108-5

Date Collected: 04/17/24 09:52

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		15 - 244			04/19/24 10:55	04/22/24 17:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/23/24 16:10	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/19/24 14:28	04/22/24 17:19	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/19/24 14:28	04/22/24 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	71		62 - 134			04/19/24 14:28	04/22/24 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 14:40	04/23/24 18:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-6

Lab Sample ID: 885-3108-6

Date Collected: 04/17/24 09:56

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 10:55	04/22/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		15 - 244			04/19/24 10:55	04/22/24 17:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Toluene	ND		0.049	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 10:55	04/23/24 16:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 10:55	04/23/24 16:32	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			04/19/24 14:28	04/22/24 17:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 14:40	04/23/24 18:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 18:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		15 - 244			04/19/24 10:55	04/22/24 18:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 16:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 10:55	04/23/24 16:54	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:46	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	76		62 - 134			04/19/24 14:28	04/22/24 17:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		04/22/24 16:51	04/23/24 19:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-8

Lab Sample ID: 885-3108-8

Date Collected: 04/17/24 10:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 18:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			04/19/24 10:55	04/22/24 18:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 10:55	04/23/24 17:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 10:55	04/23/24 17:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/19/24 14:28	04/22/24 17:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/19/24 14:28	04/22/24 17:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	76		62 - 134			04/19/24 14:28	04/22/24 17:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 16:51	04/23/24 20:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-9

Lab Sample ID: 885-3108-9

Date Collected: 04/17/24 10:06

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/23/24 20:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 20:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 20:17	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		04/22/24 13:39	04/23/24 11:43	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/23/24 11:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	110		62 - 134			04/22/24 13:39	04/23/24 11:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		04/22/24 16:51	04/23/24 20:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 21:25	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 21:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 21:25	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/22/24 13:39	04/23/24 11:56	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/23/24 11:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	122		62 - 134			04/22/24 13:39	04/23/24 11:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		60	mg/Kg		04/22/24 16:51	04/23/24 21:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-1

Lab Sample ID: 885-3108-11

Date Collected: 04/17/24 12:00

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 22:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Ethylbenzene	ND		0.047	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Toluene	ND		0.047	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Xylenes, Total	ND		0.095	mg/Kg		04/19/24 15:29	04/23/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/23/24 22:33	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 12:09	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 12:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			04/22/24 13:39	04/23/24 12:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		04/22/24 16:51	04/23/24 21:13	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-2

Lab Sample ID: 885-3108-12

Date Collected: 04/17/24 12:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/23/24 22:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/23/24 22:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 22:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 12:21	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/23/24 12:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			04/22/24 13:39	04/23/24 12:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		04/22/24 16:51	04/23/24 21:25	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-3

Lab Sample ID: 885-3108-13

Date Collected: 04/17/24 12:04

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			04/19/24 15:29	04/23/24 23:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/23/24 23:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/23/24 23:18	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		04/22/24 13:39	04/23/24 12:34	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		04/22/24 13:39	04/23/24 12:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	85		62 - 134			04/22/24 13:39	04/23/24 12:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		04/22/24 16:51	04/23/24 22:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-4

Lab Sample ID: 885-3108-14

Date Collected: 04/17/24 12:08

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 23:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 15:29	04/23/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/23/24 23:41	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 20:16	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			04/22/24 13:39	04/23/24 20:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 22:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-5

Lab Sample ID: 885-3108-15

Date Collected: 04/17/24 12:14

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		15 - 244			04/19/24 15:29	04/24/24 00:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 00:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/23/24 20:40	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/22/24 13:39	04/23/24 20:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			04/22/24 13:39	04/23/24 20:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		04/22/24 16:51	04/23/24 22:27	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-6

Lab Sample ID: 885-3108-16

Date Collected: 04/17/24 12:16

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 00:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 00:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 00:26	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 21:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 21:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			04/22/24 13:39	04/23/24 21:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		04/22/24 16:51	04/23/24 22:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 00:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Ethylbenzene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Toluene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Xylenes, Total	ND		0.092	mg/Kg		04/19/24 15:29	04/24/24 00:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 00:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/22/24 13:39	04/23/24 13:25	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		04/22/24 13:39	04/23/24 13:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	114		62 - 134			04/22/24 13:39	04/23/24 13:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 22:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-8

Lab Sample ID: 885-3108-18

Date Collected: 04/17/24 12:30

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		15 - 244			04/19/24 15:29	04/24/24 01:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 01:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 01:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/22/24 13:39	04/23/24 21:29	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		04/22/24 13:39	04/23/24 21:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	118		62 - 134			04/22/24 13:39	04/23/24 21:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 23:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-9

Lab Sample ID: 885-3108-19

Date Collected: 04/17/24 12:32

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 01:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 01:57	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 21:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 21:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			04/22/24 13:39	04/23/24 21:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		04/22/24 16:51	04/23/24 23:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 02:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 02:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	10		10	mg/Kg		04/22/24 13:39	04/23/24 22:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 22:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	115		62 - 134			04/22/24 13:39	04/23/24 22:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		04/22/24 16:51	04/23/24 23:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-11

Lab Sample ID: 885-3108-21

Date Collected: 04/17/24 12:40

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/24/24 02:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Ethylbenzene	ND		0.047	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Toluene	ND		0.047	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Xylenes, Total	ND		0.094	mg/Kg		04/19/24 15:29	04/24/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 02:42	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		04/22/24 13:39	04/23/24 22:42	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		04/22/24 13:39	04/23/24 22:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			04/22/24 13:39	04/23/24 22:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/23/24 23:41	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-12

Lab Sample ID: 885-3108-22

Date Collected: 04/17/24 12:48

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 03:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Xylenes, Total	ND		0.098	mg/Kg		04/19/24 15:29	04/24/24 03:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		39 - 146			04/19/24 15:29	04/24/24 03:04	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/23/24 23:07	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 23:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			04/22/24 13:39	04/23/24 23:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		04/22/24 16:51	04/23/24 23:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-13

Lab Sample ID: 885-3108-23

Date Collected: 04/17/24 12:54

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 03:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 03:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146			04/19/24 15:29	04/24/24 03:27	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		04/22/24 13:39	04/23/24 23:55	1
Motor Oil Range Organics [C28-C40]	ND		42	mg/Kg		04/22/24 13:39	04/23/24 23:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			04/22/24 13:39	04/23/24 23:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/22/24 16:51	04/24/24 00:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-14

Lab Sample ID: 885-3108-24

Date Collected: 04/17/24 13:00

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		15 - 244			04/19/24 15:29	04/24/24 03:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 15:29	04/24/24 03:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 03:49	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		04/22/24 13:39	04/24/24 00:19	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		04/22/24 13:39	04/24/24 00:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			04/22/24 13:39	04/24/24 00:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		04/22/24 16:51	04/24/24 00:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-15

Lab Sample ID: 885-3108-25

Date Collected: 04/17/24 13:02

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		15 - 244			04/19/24 15:29	04/24/24 04:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Ethylbenzene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Toluene	ND		0.046	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Xylenes, Total	ND		0.093	mg/Kg		04/19/24 15:29	04/24/24 04:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 15:29	04/24/24 04:12	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/24/24 00:44	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 00:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			04/22/24 13:39	04/24/24 00:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		04/22/24 16:51	04/24/24 00:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W1

Lab Sample ID: 885-3108-26

Date Collected: 04/17/24 13:10

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		15 - 244			04/19/24 15:29	04/24/24 04:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Ethylbenzene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Toluene	ND		0.049	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Xylenes, Total	ND		0.097	mg/Kg		04/19/24 15:29	04/24/24 04:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		39 - 146			04/19/24 15:29	04/24/24 04:34	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		04/22/24 13:39	04/24/24 01:08	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 01:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			04/22/24 13:39	04/24/24 01:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		04/22/24 16:51	04/24/24 01:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W2

Lab Sample ID: 885-3108-27

Date Collected: 04/17/24 13:12

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/24/24 04:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Ethylbenzene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Toluene	ND		0.048	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Xylenes, Total	ND		0.096	mg/Kg		04/19/24 15:29	04/24/24 04:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		39 - 146			04/19/24 15:29	04/24/24 04:56	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		04/22/24 13:39	04/24/24 01:33	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		04/22/24 13:39	04/24/24 01:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
<i>Di-n-octyl phthalate (Surr)</i>	69		62 - 134			04/22/24 13:39	04/24/24 01:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		04/23/24 16:44	04/24/24 09:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W3

Lab Sample ID: 885-3108-28

Date Collected: 04/17/24 13:14

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		15 - 244			04/19/24 15:29	04/24/24 05:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Xylenes, Total	ND		0.099	mg/Kg		04/19/24 15:29	04/24/24 05:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		39 - 146			04/19/24 15:29	04/24/24 05:19	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		04/22/24 13:39	04/24/24 01:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		04/22/24 13:39	04/24/24 01:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			04/22/24 13:39	04/24/24 01:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		04/23/24 16:44	04/24/24 09:48	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: R-2A-W3

Lab Sample ID: 885-3108-29

Date Collected: 04/17/24 13:16

Matrix: Solid

Date Received: 04/19/24 07:30

Method: SW846 8015D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		15 - 244			04/23/24 13:42	04/24/24 16:16	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Ethylbenzene	ND		0.049	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Toluene	ND		0.049	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Xylenes, Total	ND		0.099	mg/Kg		04/23/24 13:42	04/24/24 16:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		39 - 146			04/23/24 13:42	04/24/24 16:16	1

Method: SW846 8015D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		04/23/24 15:26	04/24/24 19:04	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		04/23/24 15:26	04/24/24 19:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			04/23/24 15:26	04/24/24 19:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		60	mg/Kg		04/24/24 14:12	04/24/24 16:51	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-3584/1-A
Matrix: Solid
Analysis Batch: 3729

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3584

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		15 - 244			04/19/24 10:55	04/22/24 12:26	1

Lab Sample ID: LCS 885-3584/2-A
Matrix: Solid
Analysis Batch: 3729

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.7		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	211		15 - 244				

Lab Sample ID: MB 885-3603/1-A
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3603

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		15 - 244			04/19/24 15:29	04/23/24 19:55	1

Lab Sample ID: LCS 885-3603/2-A
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.1		mg/Kg		100	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	230		15 - 244				

Lab Sample ID: 885-3108-9 MS
Matrix: Solid
Analysis Batch: 3801

Client Sample ID: PWA-9
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.4	23.7		mg/Kg		97	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: 885-3108-9 MS
 Matrix: Solid
 Analysis Batch: 3801

Client Sample ID: PWA-9
 Prep Type: Total/NA
 Prep Batch: 3603

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	230		15 - 244

Lab Sample ID: 885-3108-9 MSD
 Matrix: Solid
 Analysis Batch: 3801

Client Sample ID: PWA-9
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.5	24.8		mg/Kg		101	70 - 130	5	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	233		15 - 244

Lab Sample ID: MB 885-3757/1-A
 Matrix: Solid
 Analysis Batch: 3868

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3757

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		04/23/24 13:42	04/24/24 14:20	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		15 - 244	04/23/24 13:42	04/24/24 14:20	1

Lab Sample ID: LCS 885-3757/2-A
 Matrix: Solid
 Analysis Batch: 3868

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.9		mg/Kg		96	70 - 130

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	199		15 - 244

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-3584/1-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3584

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Toluene	ND		0.050	mg/Kg		04/19/24 10:55	04/22/24 12:26	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 10:55	04/22/24 12:26	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-3584/1-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3584

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		39 - 146	04/19/24 10:55	04/22/24 12:26	1

Lab Sample ID: LCS 885-3584/3-A
 Matrix: Solid
 Analysis Batch: 3730

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3584

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Benzene	1.00	0.788		mg/Kg		79	70 - 130	
Ethylbenzene	1.00	0.808		mg/Kg		81	70 - 130	
Toluene	1.00	0.803		mg/Kg		80	70 - 130	
m,p-Xylene	2.00	1.65		mg/Kg		82	70 - 130	
o-Xylene	1.00	0.797		mg/Kg		80	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	83		39 - 146

Lab Sample ID: MB 885-3603/1-A
 Matrix: Solid
 Analysis Batch: 3804

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	MB MB Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.050	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Toluene	ND		0.050	mg/Kg		04/19/24 15:29	04/23/24 19:55	1
Xylenes, Total	ND		0.10	mg/Kg		04/19/24 15:29	04/23/24 19:55	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		39 - 146	04/19/24 15:29	04/23/24 19:55	1

Lab Sample ID: LCS 885-3603/3-A
 Matrix: Solid
 Analysis Batch: 3804

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3603

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	
							Limits	
Benzene	1.00	0.942		mg/Kg		94	70 - 130	
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130	
Toluene	1.00	0.940		mg/Kg		94	70 - 130	
m,p-Xylene	2.00	1.92		mg/Kg		96	70 - 130	
o-Xylene	1.00	0.973		mg/Kg		97	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		39 - 146

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-3108-10 MS
Matrix: Solid
Analysis Batch: 3804

Client Sample ID: PWA-10
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.985	0.943		mg/Kg		96		70 - 130	
Ethylbenzene	ND		0.985	0.980		mg/Kg		100		70 - 130	
Toluene	ND		0.985	0.955		mg/Kg		97		70 - 130	
m,p-Xylene	ND		1.97	1.97		mg/Kg		100		70 - 130	
o-Xylene	ND		0.985	0.991		mg/Kg		101		70 - 130	
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	88		39 - 146								

Lab Sample ID: 885-3108-10 MSD
Matrix: Solid
Analysis Batch: 3804

Client Sample ID: PWA-10
Prep Type: Total/NA
Prep Batch: 3603

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier							
Benzene	ND		0.987	0.918		mg/Kg		93		70 - 130	3	20
Ethylbenzene	ND		0.987	0.955		mg/Kg		97		70 - 130	3	20
Toluene	ND		0.987	0.924		mg/Kg		94		70 - 130	3	20
m,p-Xylene	ND		1.97	1.91		mg/Kg		97		70 - 130	3	20
o-Xylene	ND		0.987	0.960		mg/Kg		97		70 - 130	3	20
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	89		39 - 146									

Lab Sample ID: MB 885-3757/1-A
Matrix: Solid
Analysis Batch: 3869

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3757

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac	
	Result	Qualifier							
Benzene	ND		0.025	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Ethylbenzene	ND		0.050	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Toluene	ND		0.050	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
Xylenes, Total	ND		0.10	mg/Kg		04/23/24 13:42	04/24/24 14:20	1	
		MB	MB						
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
4-Bromofluorobenzene (Surr)	95		39 - 146	04/23/24 13:42	04/24/24 14:20	1			

Lab Sample ID: LCS 885-3757/3-A
Matrix: Solid
Analysis Batch: 3869

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3757

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Benzene	1.00	0.962		mg/Kg		96		70 - 130
Ethylbenzene	1.00	0.937		mg/Kg		94		70 - 130
Toluene	1.00	0.920		mg/Kg		92		70 - 130
m,p-Xylene	2.00	1.92		mg/Kg		96		70 - 130
o-Xylene	1.00	0.941		mg/Kg		94		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-3757/3-A
 Matrix: Solid
 Analysis Batch: 3869

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3757

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		39 - 146

Method: 8015D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-3596/1-A
 Matrix: Solid
 Analysis Batch: 3704

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3596

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/19/24 13:29	04/22/24 11:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/19/24 13:29	04/22/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134	04/19/24 13:29	04/22/24 11:18	1

Lab Sample ID: LCS 885-3596/2-A
 Matrix: Solid
 Analysis Batch: 3704

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3596

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.7		mg/Kg		99	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	102		62 - 134

Lab Sample ID: MB 885-3678/1-A
 Matrix: Solid
 Analysis Batch: 3793

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3678

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/22/24 13:39	04/23/24 11:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/22/24 13:39	04/23/24 11:18	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	125		62 - 134	04/22/24 13:39	04/23/24 11:18	1

Lab Sample ID: LCS 885-3678/2-A
 Matrix: Solid
 Analysis Batch: 3793

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	59.3		mg/Kg		119	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	119		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 8015D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-3108-28 MS
Matrix: Solid
Analysis Batch: 3794

Client Sample ID: P-2B-W3
Prep Type: Total/NA
Prep Batch: 3678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		47.4	60.4		mg/Kg		127	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
<i>Di-n-octyl phthalate (Surr)</i>	82		62 - 134							

Lab Sample ID: 885-3108-28 MSD
Matrix: Solid
Analysis Batch: 3794

Client Sample ID: P-2B-W3
Prep Type: Total/NA
Prep Batch: 3678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		48.0	49.4		mg/Kg		103	44 - 136	20	32
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
<i>Di-n-octyl phthalate (Surr)</i>	69		62 - 134								

Lab Sample ID: MB 885-3768/1-A
Matrix: Solid
Analysis Batch: 3832

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3768

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		04/23/24 15:26	04/24/24 18:41	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		04/23/24 15:26	04/24/24 18:41	1	
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
<i>Di-n-octyl phthalate (Surr)</i>	93		62 - 134	04/23/24 15:26	04/24/24 18:41	1			

Lab Sample ID: LCS 885-3768/2-A
Matrix: Solid
Analysis Batch: 3832

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3768

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	48.8		mg/Kg		98	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
<i>Di-n-octyl phthalate (Surr)</i>	85		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-3708/1-A
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3708

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/22/24 16:51	04/23/24 18:44	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-3708/2-A
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.7		mg/Kg		98	90 - 110

Lab Sample ID: 885-3108-7 MS
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: PWA-7
Prep Type: Total/NA
Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	270		30.0	295	4	mg/Kg		82	50 - 150

Lab Sample ID: 885-3108-7 MSD
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: PWA-7
Prep Type: Total/NA
Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	270		30.0	305	4	mg/Kg		115	50 - 150	3	20

Lab Sample ID: 885-3108-8 MS
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: PWA-8
Prep Type: Total/NA
Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250		30.1	291	4	mg/Kg		142	50 - 150

Lab Sample ID: 885-3108-8 MSD
Matrix: Solid
Analysis Batch: 3787

Client Sample ID: PWA-8
Prep Type: Total/NA
Prep Batch: 3708

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250		30.1	305	4	mg/Kg		189	50 - 150	5	20

Lab Sample ID: MB 885-3774/1-A
Matrix: Solid
Analysis Batch: 3852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 3774

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/23/24 16:44	04/24/24 08:44	1

Lab Sample ID: LCS 885-3774/2-A
Matrix: Solid
Analysis Batch: 3852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 3774

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	13.9		mg/Kg		93	90 - 110

Lab Sample ID: 885-3108-27 MS
Matrix: Solid
Analysis Batch: 3852

Client Sample ID: P-2B-W2
Prep Type: Total/NA
Prep Batch: 3774

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	300		29.8	349	4	mg/Kg		158	50 - 150

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-3108-27 MSD
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: P-2B-W2
 Prep Type: Total/NA
 Prep Batch: 3774

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	300		30.1	329	4	mg/Kg		89	50 - 150	6	20

Lab Sample ID: MB 885-3787/4
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			04/23/24 08:45	1

Lab Sample ID: MRL 885-3787/3
 Matrix: Solid
 Analysis Batch: 3787

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.552		mg/L		110	50 - 150

Lab Sample ID: MB 885-3838/1-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 3838

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		04/24/24 14:12	04/24/24 16:14	1

Lab Sample ID: LCS 885-3838/2-A
 Matrix: Solid
 Analysis Batch: 3852

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 3838

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	13.9		mg/Kg		93	90 - 110

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA

Prep Batch: 3584

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	5030C	
885-3108-2	PWA-2	Total/NA	Solid	5030C	
885-3108-3	PWA-3	Total/NA	Solid	5030C	
885-3108-4	PWA-4	Total/NA	Solid	5030C	
885-3108-5	PWA-5	Total/NA	Solid	5030C	
885-3108-6	PWA-6	Total/NA	Solid	5030C	
885-3108-7	PWA-7	Total/NA	Solid	5030C	
885-3108-8	PWA-8	Total/NA	Solid	5030C	
MB 885-3584/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3584/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3584/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 3603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	5030C	
885-3108-10	PWA-10	Total/NA	Solid	5030C	
885-3108-11	PBA-1	Total/NA	Solid	5030C	
885-3108-12	PBA-2	Total/NA	Solid	5030C	
885-3108-13	PBA-3	Total/NA	Solid	5030C	
885-3108-14	PBA-4	Total/NA	Solid	5030C	
885-3108-15	PBA-5	Total/NA	Solid	5030C	
885-3108-16	PBA-6	Total/NA	Solid	5030C	
885-3108-17	PBA-7	Total/NA	Solid	5030C	
885-3108-18	PBA-8	Total/NA	Solid	5030C	
885-3108-19	PBA-9	Total/NA	Solid	5030C	
885-3108-20	PBA-10	Total/NA	Solid	5030C	
885-3108-21	PBA-11	Total/NA	Solid	5030C	
885-3108-22	PBA-12	Total/NA	Solid	5030C	
885-3108-23	PBA-13	Total/NA	Solid	5030C	
885-3108-24	PBA-14	Total/NA	Solid	5030C	
885-3108-25	PBA-15	Total/NA	Solid	5030C	
885-3108-26	P-2B-W1	Total/NA	Solid	5030C	
885-3108-27	P-2B-W2	Total/NA	Solid	5030C	
885-3108-28	P-2B-W3	Total/NA	Solid	5030C	
MB 885-3603/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3603/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3603/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-3108-9 MS	PWA-9	Total/NA	Solid	5030C	
885-3108-9 MSD	PWA-9	Total/NA	Solid	5030C	
885-3108-10 MS	PWA-10	Total/NA	Solid	5030C	
885-3108-10 MSD	PWA-10	Total/NA	Solid	5030C	

Analysis Batch: 3729

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8015D	3584
885-3108-2	PWA-2	Total/NA	Solid	8015D	3584
885-3108-3	PWA-3	Total/NA	Solid	8015D	3584
885-3108-4	PWA-4	Total/NA	Solid	8015D	3584
885-3108-5	PWA-5	Total/NA	Solid	8015D	3584
885-3108-6	PWA-6	Total/NA	Solid	8015D	3584
885-3108-7	PWA-7	Total/NA	Solid	8015D	3584

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA (Continued)

Analysis Batch: 3729 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-8	PWA-8	Total/NA	Solid	8015D	3584
MB 885-3584/1-A	Method Blank	Total/NA	Solid	8015D	3584
LCS 885-3584/2-A	Lab Control Sample	Total/NA	Solid	8015D	3584

Analysis Batch: 3730

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8021B	3584
885-3108-2	PWA-2	Total/NA	Solid	8021B	3584
885-3108-3	PWA-3	Total/NA	Solid	8021B	3584
885-3108-4	PWA-4	Total/NA	Solid	8021B	3584
MB 885-3584/1-A	Method Blank	Total/NA	Solid	8021B	3584
LCS 885-3584/3-A	Lab Control Sample	Total/NA	Solid	8021B	3584

Prep Batch: 3757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	5030C	
MB 885-3757/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-3757/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-3757/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 3801

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8015D	3603
885-3108-10	PWA-10	Total/NA	Solid	8015D	3603
885-3108-11	PBA-1	Total/NA	Solid	8015D	3603
885-3108-12	PBA-2	Total/NA	Solid	8015D	3603
885-3108-13	PBA-3	Total/NA	Solid	8015D	3603
885-3108-14	PBA-4	Total/NA	Solid	8015D	3603
885-3108-15	PBA-5	Total/NA	Solid	8015D	3603
885-3108-16	PBA-6	Total/NA	Solid	8015D	3603
885-3108-17	PBA-7	Total/NA	Solid	8015D	3603
885-3108-18	PBA-8	Total/NA	Solid	8015D	3603
885-3108-19	PBA-9	Total/NA	Solid	8015D	3603
885-3108-20	PBA-10	Total/NA	Solid	8015D	3603
885-3108-21	PBA-11	Total/NA	Solid	8015D	3603
885-3108-22	PBA-12	Total/NA	Solid	8015D	3603
885-3108-23	PBA-13	Total/NA	Solid	8015D	3603
885-3108-24	PBA-14	Total/NA	Solid	8015D	3603
885-3108-25	PBA-15	Total/NA	Solid	8015D	3603
885-3108-26	P-2B-W1	Total/NA	Solid	8015D	3603
885-3108-27	P-2B-W2	Total/NA	Solid	8015D	3603
885-3108-28	P-2B-W3	Total/NA	Solid	8015D	3603
MB 885-3603/1-A	Method Blank	Total/NA	Solid	8015D	3603
LCS 885-3603/2-A	Lab Control Sample	Total/NA	Solid	8015D	3603
885-3108-9 MS	PWA-9	Total/NA	Solid	8015D	3603
885-3108-9 MSD	PWA-9	Total/NA	Solid	8015D	3603

Analysis Batch: 3803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-5	PWA-5	Total/NA	Solid	8021B	3584
885-3108-6	PWA-6	Total/NA	Solid	8021B	3584

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC VOA (Continued)

Analysis Batch: 3803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-7	PWA-7	Total/NA	Solid	8021B	3584
885-3108-8	PWA-8	Total/NA	Solid	8021B	3584

Analysis Batch: 3804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8021B	3603
885-3108-10	PWA-10	Total/NA	Solid	8021B	3603
885-3108-11	PBA-1	Total/NA	Solid	8021B	3603
885-3108-12	PBA-2	Total/NA	Solid	8021B	3603
885-3108-13	PBA-3	Total/NA	Solid	8021B	3603
885-3108-14	PBA-4	Total/NA	Solid	8021B	3603
885-3108-15	PBA-5	Total/NA	Solid	8021B	3603
885-3108-16	PBA-6	Total/NA	Solid	8021B	3603
885-3108-17	PBA-7	Total/NA	Solid	8021B	3603
885-3108-18	PBA-8	Total/NA	Solid	8021B	3603
885-3108-19	PBA-9	Total/NA	Solid	8021B	3603
885-3108-20	PBA-10	Total/NA	Solid	8021B	3603
885-3108-21	PBA-11	Total/NA	Solid	8021B	3603
885-3108-22	PBA-12	Total/NA	Solid	8021B	3603
885-3108-23	PBA-13	Total/NA	Solid	8021B	3603
885-3108-24	PBA-14	Total/NA	Solid	8021B	3603
885-3108-25	PBA-15	Total/NA	Solid	8021B	3603
885-3108-26	P-2B-W1	Total/NA	Solid	8021B	3603
885-3108-27	P-2B-W2	Total/NA	Solid	8021B	3603
885-3108-28	P-2B-W3	Total/NA	Solid	8021B	3603
MB 885-3603/1-A	Method Blank	Total/NA	Solid	8021B	3603
LCS 885-3603/3-A	Lab Control Sample	Total/NA	Solid	8021B	3603
885-3108-10 MS	PWA-10	Total/NA	Solid	8021B	3603
885-3108-10 MSD	PWA-10	Total/NA	Solid	8021B	3603

Analysis Batch: 3868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8015D	3757
MB 885-3757/1-A	Method Blank	Total/NA	Solid	8015D	3757
LCS 885-3757/2-A	Lab Control Sample	Total/NA	Solid	8015D	3757

Analysis Batch: 3869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8021B	3757
MB 885-3757/1-A	Method Blank	Total/NA	Solid	8021B	3757
LCS 885-3757/3-A	Lab Control Sample	Total/NA	Solid	8021B	3757

GC Semi VOA

Prep Batch: 3596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	SHAKE	
885-3108-2	PWA-2	Total/NA	Solid	SHAKE	
885-3108-3	PWA-3	Total/NA	Solid	SHAKE	
885-3108-4	PWA-4	Total/NA	Solid	SHAKE	
885-3108-5	PWA-5	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC Semi VOA (Continued)

Prep Batch: 3596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-6	PWA-6	Total/NA	Solid	SHAKE	
885-3108-7	PWA-7	Total/NA	Solid	SHAKE	
885-3108-8	PWA-8	Total/NA	Solid	SHAKE	
MB 885-3596/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3596/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Prep Batch: 3678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	SHAKE	
885-3108-10	PWA-10	Total/NA	Solid	SHAKE	
885-3108-11	PBA-1	Total/NA	Solid	SHAKE	
885-3108-12	PBA-2	Total/NA	Solid	SHAKE	
885-3108-13	PBA-3	Total/NA	Solid	SHAKE	
885-3108-14	PBA-4	Total/NA	Solid	SHAKE	
885-3108-15	PBA-5	Total/NA	Solid	SHAKE	
885-3108-16	PBA-6	Total/NA	Solid	SHAKE	
885-3108-17	PBA-7	Total/NA	Solid	SHAKE	
885-3108-18	PBA-8	Total/NA	Solid	SHAKE	
885-3108-19	PBA-9	Total/NA	Solid	SHAKE	
885-3108-20	PBA-10	Total/NA	Solid	SHAKE	
885-3108-21	PBA-11	Total/NA	Solid	SHAKE	
885-3108-22	PBA-12	Total/NA	Solid	SHAKE	
885-3108-23	PBA-13	Total/NA	Solid	SHAKE	
885-3108-24	PBA-14	Total/NA	Solid	SHAKE	
885-3108-25	PBA-15	Total/NA	Solid	SHAKE	
885-3108-26	P-2B-W1	Total/NA	Solid	SHAKE	
885-3108-27	P-2B-W2	Total/NA	Solid	SHAKE	
885-3108-28	P-2B-W3	Total/NA	Solid	SHAKE	
MB 885-3678/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3678/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-3108-28 MS	P-2B-W3	Total/NA	Solid	SHAKE	
885-3108-28 MSD	P-2B-W3	Total/NA	Solid	SHAKE	

Analysis Batch: 3704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	8015D	3596
885-3108-2	PWA-2	Total/NA	Solid	8015D	3596
885-3108-3	PWA-3	Total/NA	Solid	8015D	3596
885-3108-4	PWA-4	Total/NA	Solid	8015D	3596
885-3108-5	PWA-5	Total/NA	Solid	8015D	3596
885-3108-6	PWA-6	Total/NA	Solid	8015D	3596
885-3108-7	PWA-7	Total/NA	Solid	8015D	3596
885-3108-8	PWA-8	Total/NA	Solid	8015D	3596
MB 885-3596/1-A	Method Blank	Total/NA	Solid	8015D	3596
LCS 885-3596/2-A	Lab Control Sample	Total/NA	Solid	8015D	3596

Prep Batch: 3768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	SHAKE	
MB 885-3768/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-3768/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

GC Semi VOA

Analysis Batch: 3793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-9	PWA-9	Total/NA	Solid	8015D	3678
885-3108-10	PWA-10	Total/NA	Solid	8015D	3678
885-3108-11	PBA-1	Total/NA	Solid	8015D	3678
885-3108-12	PBA-2	Total/NA	Solid	8015D	3678
885-3108-13	PBA-3	Total/NA	Solid	8015D	3678
885-3108-17	PBA-7	Total/NA	Solid	8015D	3678
MB 885-3678/1-A	Method Blank	Total/NA	Solid	8015D	3678
LCS 885-3678/2-A	Lab Control Sample	Total/NA	Solid	8015D	3678

Analysis Batch: 3794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-14	PBA-4	Total/NA	Solid	8015D	3678
885-3108-15	PBA-5	Total/NA	Solid	8015D	3678
885-3108-16	PBA-6	Total/NA	Solid	8015D	3678
885-3108-18	PBA-8	Total/NA	Solid	8015D	3678
885-3108-19	PBA-9	Total/NA	Solid	8015D	3678
885-3108-20	PBA-10	Total/NA	Solid	8015D	3678
885-3108-21	PBA-11	Total/NA	Solid	8015D	3678
885-3108-22	PBA-12	Total/NA	Solid	8015D	3678
885-3108-23	PBA-13	Total/NA	Solid	8015D	3678
885-3108-24	PBA-14	Total/NA	Solid	8015D	3678
885-3108-25	PBA-15	Total/NA	Solid	8015D	3678
885-3108-26	P-2B-W1	Total/NA	Solid	8015D	3678
885-3108-27	P-2B-W2	Total/NA	Solid	8015D	3678
885-3108-28	P-2B-W3	Total/NA	Solid	8015D	3678
885-3108-28 MS	P-2B-W3	Total/NA	Solid	8015D	3678
885-3108-28 MSD	P-2B-W3	Total/NA	Solid	8015D	3678

Analysis Batch: 3832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	8015D	3768
MB 885-3768/1-A	Method Blank	Total/NA	Solid	8015D	3768
LCS 885-3768/2-A	Lab Control Sample	Total/NA	Solid	8015D	3768

HPLC/IC

Prep Batch: 3682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	300_Prep	
885-3108-2	PWA-2	Total/NA	Solid	300_Prep	
885-3108-3	PWA-3	Total/NA	Solid	300_Prep	
885-3108-4	PWA-4	Total/NA	Solid	300_Prep	
885-3108-5	PWA-5	Total/NA	Solid	300_Prep	
885-3108-6	PWA-6	Total/NA	Solid	300_Prep	

Prep Batch: 3708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-7	PWA-7	Total/NA	Solid	300_Prep	
885-3108-8	PWA-8	Total/NA	Solid	300_Prep	
885-3108-9	PWA-9	Total/NA	Solid	300_Prep	
885-3108-10	PWA-10	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

HPLC/IC (Continued)

Prep Batch: 3708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-11	PBA-1	Total/NA	Solid	300_Prep	
885-3108-12	PBA-2	Total/NA	Solid	300_Prep	
885-3108-13	PBA-3	Total/NA	Solid	300_Prep	
885-3108-14	PBA-4	Total/NA	Solid	300_Prep	
885-3108-15	PBA-5	Total/NA	Solid	300_Prep	
885-3108-16	PBA-6	Total/NA	Solid	300_Prep	
885-3108-17	PBA-7	Total/NA	Solid	300_Prep	
885-3108-18	PBA-8	Total/NA	Solid	300_Prep	
885-3108-19	PBA-9	Total/NA	Solid	300_Prep	
885-3108-20	PBA-10	Total/NA	Solid	300_Prep	
885-3108-21	PBA-11	Total/NA	Solid	300_Prep	
885-3108-22	PBA-12	Total/NA	Solid	300_Prep	
885-3108-23	PBA-13	Total/NA	Solid	300_Prep	
885-3108-24	PBA-14	Total/NA	Solid	300_Prep	
885-3108-25	PBA-15	Total/NA	Solid	300_Prep	
885-3108-26	P-2B-W1	Total/NA	Solid	300_Prep	
MB 885-3708/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3708/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-3108-7 MS	PWA-7	Total/NA	Solid	300_Prep	
885-3108-7 MSD	PWA-7	Total/NA	Solid	300_Prep	
885-3108-8 MS	PWA-8	Total/NA	Solid	300_Prep	
885-3108-8 MSD	PWA-8	Total/NA	Solid	300_Prep	

Prep Batch: 3774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-27	P-2B-W2	Total/NA	Solid	300_Prep	
885-3108-28	P-2B-W3	Total/NA	Solid	300_Prep	
MB 885-3774/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3774/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-3108-27 MS	P-2B-W2	Total/NA	Solid	300_Prep	
885-3108-27 MSD	P-2B-W2	Total/NA	Solid	300_Prep	

Analysis Batch: 3787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-1	PWA-1	Total/NA	Solid	300.0	3682
885-3108-2	PWA-2	Total/NA	Solid	300.0	3682
885-3108-3	PWA-3	Total/NA	Solid	300.0	3682
885-3108-4	PWA-4	Total/NA	Solid	300.0	3682
885-3108-5	PWA-5	Total/NA	Solid	300.0	3682
885-3108-6	PWA-6	Total/NA	Solid	300.0	3682
885-3108-7	PWA-7	Total/NA	Solid	300.0	3708
885-3108-8	PWA-8	Total/NA	Solid	300.0	3708
885-3108-9	PWA-9	Total/NA	Solid	300.0	3708
885-3108-10	PWA-10	Total/NA	Solid	300.0	3708
885-3108-11	PBA-1	Total/NA	Solid	300.0	3708
885-3108-12	PBA-2	Total/NA	Solid	300.0	3708
885-3108-13	PBA-3	Total/NA	Solid	300.0	3708
885-3108-14	PBA-4	Total/NA	Solid	300.0	3708
885-3108-15	PBA-5	Total/NA	Solid	300.0	3708
885-3108-16	PBA-6	Total/NA	Solid	300.0	3708
885-3108-17	PBA-7	Total/NA	Solid	300.0	3708

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

HPLC/IC (Continued)

Analysis Batch: 3787 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-18	PBA-8	Total/NA	Solid	300.0	3708
885-3108-19	PBA-9	Total/NA	Solid	300.0	3708
885-3108-20	PBA-10	Total/NA	Solid	300.0	3708
885-3108-21	PBA-11	Total/NA	Solid	300.0	3708
885-3108-22	PBA-12	Total/NA	Solid	300.0	3708
885-3108-23	PBA-13	Total/NA	Solid	300.0	3708
885-3108-24	PBA-14	Total/NA	Solid	300.0	3708
885-3108-25	PBA-15	Total/NA	Solid	300.0	3708
885-3108-26	P-2B-W1	Total/NA	Solid	300.0	3708
MB 885-3708/1-A	Method Blank	Total/NA	Solid	300.0	3708
MB 885-3787/4	Method Blank	Total/NA	Solid	300.0	
LCS 885-3708/2-A	Lab Control Sample	Total/NA	Solid	300.0	3708
MRL 885-3787/3	Lab Control Sample	Total/NA	Solid	300.0	
885-3108-7 MS	PWA-7	Total/NA	Solid	300.0	3708
885-3108-7 MSD	PWA-7	Total/NA	Solid	300.0	3708
885-3108-8 MS	PWA-8	Total/NA	Solid	300.0	3708
885-3108-8 MSD	PWA-8	Total/NA	Solid	300.0	3708

Prep Batch: 3838

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-29	R-2A-W3	Total/NA	Solid	300_Prep	
MB 885-3838/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-3838/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 3852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-3108-27	P-2B-W2	Total/NA	Solid	300.0	3774
885-3108-28	P-2B-W3	Total/NA	Solid	300.0	3774
885-3108-29	R-2A-W3	Total/NA	Solid	300.0	3838
MB 885-3774/1-A	Method Blank	Total/NA	Solid	300.0	3774
MB 885-3838/1-A	Method Blank	Total/NA	Solid	300.0	3838
LCS 885-3774/2-A	Lab Control Sample	Total/NA	Solid	300.0	3774
LCS 885-3838/2-A	Lab Control Sample	Total/NA	Solid	300.0	3838
885-3108-27 MS	P-2B-W2	Total/NA	Solid	300.0	3774
885-3108-27 MSD	P-2B-W2	Total/NA	Solid	300.0	3774

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-1

Lab Sample ID: 885-3108-1

Date Collected: 04/17/24 09:40

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:11
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:11
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 14:02
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:06

Client Sample ID: PWA-2

Lab Sample ID: 885-3108-2

Date Collected: 04/17/24 09:44

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:35
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:35
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 14:14
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:18

Client Sample ID: PWA-3

Lab Sample ID: 885-3108-3

Date Collected: 04/17/24 09:46

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 15:59
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 15:59
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 16:54
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:30

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 16:23

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-4

Lab Sample ID: 885-3108-4

Date Collected: 04/17/24 09:50

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3730	JP	EET ALB	04/22/24 16:23
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 13:29
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:07
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 17:43

Client Sample ID: PWA-5

Lab Sample ID: 885-3108-5

Date Collected: 04/17/24 09:52

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 17:13
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:10
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:19
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 18:20

Client Sample ID: PWA-6

Lab Sample ID: 885-3108-6

Date Collected: 04/17/24 09:56

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 17:37
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:32
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:32
Total/NA	Prep	300_Prep			3682	SS	EET ALB	04/22/24 14:40
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 18:32

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 18:00
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 16:54

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-7

Lab Sample ID: 885-3108-7

Date Collected: 04/17/24 10:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:46
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 19:34

Client Sample ID: PWA-8

Lab Sample ID: 885-3108-8

Date Collected: 04/17/24 10:02

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8015D		1	3729	JP	EET ALB	04/22/24 18:24
Total/NA	Prep	5030C			3584	JP	EET ALB	04/19/24 10:55
Total/NA	Analysis	8021B		1	3803	RA	EET ALB	04/23/24 17:16
Total/NA	Prep	SHAKE			3596	SB	EET ALB	04/19/24 14:28
Total/NA	Analysis	8015D		1	3704	JU	EET ALB	04/22/24 17:59
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 20:11

Client Sample ID: PWA-9

Lab Sample ID: 885-3108-9

Date Collected: 04/17/24 10:06

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 20:17
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 20:17
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 11:43
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 20:48

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 21:25
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 21:25
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 11:56

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PWA-10

Lab Sample ID: 885-3108-10

Date Collected: 04/17/24 10:10

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:00

Client Sample ID: PBA-1

Lab Sample ID: 885-3108-11

Date Collected: 04/17/24 12:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 22:33
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 22:33
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:09
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:13

Client Sample ID: PBA-2

Lab Sample ID: 885-3108-12

Date Collected: 04/17/24 12:02

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 22:56
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 22:56
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:21
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 21:25

Client Sample ID: PBA-3

Lab Sample ID: 885-3108-13

Date Collected: 04/17/24 12:04

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 23:18
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 23:18
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 12:34
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:02

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-4

Lab Sample ID: 885-3108-14

Date Collected: 04/17/24 12:08

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/23/24 23:41
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/23/24 23:41
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 20:16
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:14

Client Sample ID: PBA-5

Lab Sample ID: 885-3108-15

Date Collected: 04/17/24 12:14

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:04
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:04
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 20:40
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:27

Client Sample ID: PBA-6

Lab Sample ID: 885-3108-16

Date Collected: 04/17/24 12:16

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:26
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:26
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:05
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:39

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 00:49

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-7

Lab Sample ID: 885-3108-17

Date Collected: 04/17/24 12:24

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 00:49
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3793	JU	EET ALB	04/23/24 13:25
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 22:51

Client Sample ID: PBA-8

Lab Sample ID: 885-3108-18

Date Collected: 04/17/24 12:30

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 01:12
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 01:12
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:29
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:04

Client Sample ID: PBA-9

Lab Sample ID: 885-3108-19

Date Collected: 04/17/24 12:32

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 01:57
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 01:57
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 21:53
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:16

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 02:19
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 02:19

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-10

Lab Sample ID: 885-3108-20

Date Collected: 04/17/24 12:38

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 22:18
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:28

Client Sample ID: PBA-11

Lab Sample ID: 885-3108-21

Date Collected: 04/17/24 12:40

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 02:42
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 02:42
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 22:42
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:41

Client Sample ID: PBA-12

Lab Sample ID: 885-3108-22

Date Collected: 04/17/24 12:48

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:04
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:04
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 23:07
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/23/24 23:53

Client Sample ID: PBA-13

Lab Sample ID: 885-3108-23

Date Collected: 04/17/24 12:54

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:27
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:27
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/23/24 23:55

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: PBA-13

Lab Sample ID: 885-3108-23

Date Collected: 04/17/24 12:54

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:30

Client Sample ID: PBA-14

Lab Sample ID: 885-3108-24

Date Collected: 04/17/24 13:00

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 03:49
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 03:49
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 00:19
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:43

Client Sample ID: PBA-15

Lab Sample ID: 885-3108-25

Date Collected: 04/17/24 13:02

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:12
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:12
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 00:44
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 00:55

Client Sample ID: P-2B-W1

Lab Sample ID: 885-3108-26

Date Collected: 04/17/24 13:10

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:34
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:34
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:08
Total/NA	Prep	300_Prep			3708	KB	EET ALB	04/22/24 16:51
Total/NA	Analysis	300.0		20	3787	RC	EET ALB	04/24/24 01:07

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Client Sample ID: P-2B-W2

Lab Sample ID: 885-3108-27

Date Collected: 04/17/24 13:12

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 04:56
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 04:56
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:33
Total/NA	Prep	300_Prep			3774	SS	EET ALB	04/23/24 16:44
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 09:10

Client Sample ID: P-2B-W3

Lab Sample ID: 885-3108-28

Date Collected: 04/17/24 13:14

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8015D		1	3801	RA	EET ALB	04/24/24 05:19
Total/NA	Prep	5030C			3603	JP	EET ALB	04/19/24 15:29
Total/NA	Analysis	8021B		1	3804	RA	EET ALB	04/24/24 05:19
Total/NA	Prep	SHAKE			3678	DH	EET ALB	04/22/24 13:39
Total/NA	Analysis	8015D		1	3794	JU	EET ALB	04/24/24 01:57
Total/NA	Prep	300_Prep			3774	SS	EET ALB	04/23/24 16:44
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 09:48

Client Sample ID: R-2A-W3

Lab Sample ID: 885-3108-29

Date Collected: 04/17/24 13:16

Matrix: Solid

Date Received: 04/19/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			3757	JP	EET ALB	04/23/24 13:42
Total/NA	Analysis	8015D		1	3868	JP	EET ALB	04/24/24 16:16
Total/NA	Prep	5030C			3757	JP	EET ALB	04/23/24 13:42
Total/NA	Analysis	8021B		1	3869	JP	EET ALB	04/24/24 16:16
Total/NA	Prep	SHAKE			3768	JU	EET ALB	04/23/24 15:26
Total/NA	Analysis	8015D		1	3832	JU	EET ALB	04/24/24 19:04
Total/NA	Prep	300_Prep			3838	RC	EET ALB	04/24/24 14:12
Total/NA	Analysis	300.0		20	3852	JT	EET ALB	04/24/24 16:51

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Eurofins Albuquerque

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-3108-1

Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
300.0	300_Prep	Solid	Chloride
8015D	5030C	Solid	Gasoline Range Organics (GRO)-C6-C10
8015D	SHAKE	Solid	Diesel Range Organics [C10-C28]
8015D	SHAKE	Solid	Motor Oil Range Organics [C28-C40]
8021B	5030C	Solid	Benzene
8021B	5030C	Solid	Ethylbenzene
8021B	5030C	Solid	Toluene
8021B	5030C	Solid	Xylenes, Total



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailin; Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation: AZ Compliance
 NELAC Other
 EDD (Type) Excel

Turn-Around Time:
 Standard Rush **5 DAY TAT**
 Project Name:
ROY SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: **J. Martinez**
 On Ice: Yes No **yes**
 # of Coolers: **1**
 Cooler Temp (including CP): **0.0 - 0.1 - 0.7 -**

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
4/17/24	1302	Soil	PBA-1S	Ix4oz Jar	ICE	25
	1310		P-2B-WI	I	I	26
	1312		P-2B-W2	I	I	27
	1314		P-2B-W3	I	I	28
	1316		R-2A-W3	I	I	29

Analysis Request	BTX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
	X	X	X
	I	I	I
	I	I	I
	I	I	I
	I	I	I

Date: 4/18/24 1050
 Relinquished by: *[Signature]*
 Date: 4/18/24 1900
 Relinquished by: *[Signature]*
 Received by: *[Signature]* Via: **Carrier** Date: 4/18/24 1050
 Received by: *[Signature]* Via: **Carrier** Date: 4/19/24 7:30

Remarks: Bill to EOG Artesia



If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-3108-1

Login Number: 3108

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 6/4/2024 3:23:25 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-5134-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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6/4/2024 3:23:25 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-5134-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-5134-1

Job ID: 885-5134-1

Eurofins Albuquerque

Job Narrative 885-5134-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 5/25/2024 7:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 885-5721 and analytical batch 885-5938 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015D_DRO: Surrogate recovery for the following sample was outside control limits: (885-5134-A-7-C MS). Evidence of matrix interferences is not obvious. Parent and MSD have passing surrogate.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike/matrix spike duplicate (MS/MSD) for preparation batch 885-5755 and analytical batch 885-5840 exceeded control limits for the following analyte(s): Cl, Note that this analyte is a known poor performer when analyzed using this method.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-1

Lab Sample ID: 885-5134-1

Date Collected: 05/24/24 08:40

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			05/28/24 09:01	05/30/24 18:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Xylenes, Total	ND		0.097	mg/Kg		05/28/24 09:01	05/30/24 18:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/28/24 09:01	05/30/24 18:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		05/28/24 13:30	05/30/24 13:33	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/28/24 13:30	05/30/24 13:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			05/28/24 13:30	05/30/24 13:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	60	mg/Kg		05/29/24 07:48	05/29/24 12:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-2

Lab Sample ID: 885-5134-2

Date Collected: 05/24/24 08:46

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 18:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Xylenes, Total	ND		0.098	mg/Kg		05/28/24 09:01	05/30/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 09:01	05/30/24 18:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		05/28/24 13:30	05/30/24 13:57	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/28/24 13:30	05/30/24 13:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			05/28/24 13:30	05/30/24 13:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210	F1	60	mg/Kg		05/29/24 07:48	05/29/24 12:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-3

Lab Sample ID: 885-5134-3

Date Collected: 05/24/24 08:50

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 19:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Xylenes, Total	ND		0.099	mg/Kg		05/28/24 09:01	05/30/24 19:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/28/24 09:01	05/30/24 19:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		05/28/24 13:30	05/30/24 14:22	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		05/28/24 13:30	05/30/24 14:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			05/28/24 13:30	05/30/24 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		60	mg/Kg		05/29/24 07:48	05/29/24 13:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 09:01	05/30/24 19:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Ethylbenzene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Toluene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Xylenes, Total	ND		0.096	mg/Kg		05/28/24 09:01	05/30/24 19:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			05/28/24 09:01	05/30/24 19:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		05/28/24 13:30	05/30/24 14:46	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		05/28/24 13:30	05/30/24 14:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	63		62 - 134			05/28/24 13:30	05/30/24 14:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		05/29/24 07:48	05/29/24 13:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-5

Lab Sample ID: 885-5134-5

Date Collected: 05/24/24 08:56

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			05/28/24 09:01	05/30/24 20:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Ethylbenzene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Toluene	ND		0.049	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Xylenes, Total	ND		0.098	mg/Kg		05/28/24 09:01	05/30/24 20:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			05/28/24 09:01	05/30/24 20:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		05/28/24 13:30	05/30/24 15:11	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		05/28/24 13:30	05/30/24 15:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			05/28/24 13:30	05/30/24 15:11	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		05/29/24 07:48	05/29/24 13:56	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-6

Lab Sample ID: 885-5134-6

Date Collected: 05/24/24 09:02

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			05/28/24 09:01	05/30/24 20:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Ethylbenzene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Toluene	ND		0.048	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Xylenes, Total	ND		0.096	mg/Kg		05/28/24 09:01	05/30/24 20:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/28/24 09:01	05/30/24 20:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.5	mg/Kg		05/28/24 13:30	05/30/24 16:00	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/28/24 13:30	05/30/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			05/28/24 13:30	05/30/24 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		59	mg/Kg		05/29/24 07:48	05/29/24 14:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			05/28/24 09:01	05/30/24 20:48	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Ethylbenzene	ND		0.047	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Toluene	ND		0.047	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Xylenes, Total	ND		0.094	mg/Kg		05/28/24 09:01	05/30/24 20:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			05/28/24 09:01	05/30/24 20:48	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	F2	8.7	mg/Kg		05/28/24 13:30	05/30/24 16:24	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		05/28/24 13:30	05/30/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			05/28/24 13:30	05/30/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		05/29/24 07:48	05/29/24 14:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-8

Lab Sample ID: 885-5134-8

Date Collected: 05/24/24 09:12

Matrix: Solid

Date Received: 05/25/24 07:30

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			05/28/24 11:56	05/29/24 20:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Ethylbenzene	ND		0.047	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Toluene	ND		0.047	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Xylenes, Total	ND		0.095	mg/Kg		05/28/24 11:56	05/29/24 20:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 11:56	05/29/24 20:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		05/30/24 14:51	05/31/24 15:55	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		05/30/24 14:51	05/31/24 15:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			05/30/24 14:51	05/31/24 15:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		60	mg/Kg		05/30/24 14:06	05/30/24 21:59	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5929

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			05/28/24 09:01	05/30/24 11:02	1

Lab Sample ID: LCS 885-5688/2-A
Matrix: Solid
Analysis Batch: 5929

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.8		mg/Kg		91	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	197	S1+	35 - 166				

Lab Sample ID: MB 885-5705/1-A
Matrix: Solid
Analysis Batch: 5860

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5705

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			05/28/24 11:56	05/29/24 11:11	1

Lab Sample ID: LCS 885-5705/2-A
Matrix: Solid
Analysis Batch: 5860

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.2		mg/Kg		101	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	201	S1+	35 - 166				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Ethylbenzene	ND		0.050	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Toluene	ND		0.050	mg/Kg		05/28/24 09:01	05/30/24 11:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-5688/1-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5688

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		05/28/24 09:01	05/30/24 11:02	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			05/28/24 09:01	05/30/24 11:02	1

Lab Sample ID: LCS 885-5688/3-A
Matrix: Solid
Analysis Batch: 5930

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5688

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.915		mg/Kg		91	70 - 130
Ethylbenzene	1.00	0.881		mg/Kg		88	70 - 130
Toluene	1.00	0.872		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	2.00	1.76		mg/Kg		88	70 - 130
o-Xylene	1.00	0.863		mg/Kg		86	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	93		48 - 145				

Lab Sample ID: MB 885-5705/1-A
Matrix: Solid
Analysis Batch: 5861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5705

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Ethylbenzene	ND		0.050	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Toluene	ND		0.050	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Xylenes, Total	ND		0.10	mg/Kg		05/28/24 11:56	05/29/24 11:11	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			05/28/24 11:56	05/29/24 11:11	1

Lab Sample ID: LCS 885-5705/3-A
Matrix: Solid
Analysis Batch: 5861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5705

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.944		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.884		mg/Kg		88	70 - 130
Toluene	1.00	0.885		mg/Kg		88	70 - 130
m-Xylene & p-Xylene	2.00	1.80		mg/Kg		90	70 - 130
o-Xylene	1.00	0.882		mg/Kg		88	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	92		48 - 145				

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: 885-5134-7 MS
Matrix: Solid
Analysis Batch: 5938

Client Sample ID: NPW-7
Prep Type: Total/NA
Prep Batch: 5721

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	F2	44.5	30.2		mg/Kg		68	44 - 136
Surrogate	%Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	58	S1-	62 - 134						

Lab Sample ID: 885-5134-7 MSD
Matrix: Solid
Analysis Batch: 5938

Client Sample ID: NPW-7
Prep Type: Total/NA
Prep Batch: 5721

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	F2	45.7	47.5	F2	mg/Kg		104	44 - 136	44	32
Surrogate	%Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	100		62 - 134								

Lab Sample ID: MB 885-5887/1-A
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 5887

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		05/30/24 14:51	05/31/24 13:42	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		05/30/24 14:51	05/31/24 13:42	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			05/30/24 14:51	05/31/24 13:42	1

Lab Sample ID: LCS 885-5887/2-A
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 5887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	53.5		mg/Kg		107	60 - 135
Surrogate	%Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	106		62 - 134				

Lab Sample ID: 885-5134-8 MS
Matrix: Solid
Analysis Batch: 5949

Client Sample ID: NPW-8
Prep Type: Total/NA
Prep Batch: 5887

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.9	50.9		mg/Kg		106	44 - 136

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-5134-8 MS
 Matrix: Solid
 Analysis Batch: 5949

Client Sample ID: NPW-8
 Prep Type: Total/NA
 Prep Batch: 5887

Surrogate	%Recovery	MS MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	111		62 - 134

Lab Sample ID: 885-5134-8 MSD
 Matrix: Solid
 Analysis Batch: 5949

Client Sample ID: NPW-8
 Prep Type: Total/NA
 Prep Batch: 5887

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.9	47.8		mg/Kg		96	44 - 136	6	32

Surrogate	%Recovery	MSD MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-5755/2-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		05/29/24 07:48	05/29/24 09:38	1

Lab Sample ID: LCS 885-5755/3-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: MRL 885-5755/1-A
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.50	3.29		mg/L		94	50 - 150

Lab Sample ID: 885-5134-1 MS
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-1
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	635	255	F1	mg/Kg		8	50 - 150

Lab Sample ID: 885-5134-1 MSD
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-1
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	624	262	F1	mg/Kg		9	50 - 150	3	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 885-5134-2 MS
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-2
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	210	F1	635	248	F1	mg/Kg		5	50 - 150

Lab Sample ID: 885-5134-2 MSD
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: NPW-2
 Prep Type: Total/NA
 Prep Batch: 5755

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	210	F1	624	249	F1	mg/Kg		6	50 - 150	0	20

Lab Sample ID: MB 885-5840/72
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/Kg			05/29/24 22:10	1

Lab Sample ID: MRL 885-5840/71
 Matrix: Solid
 Analysis Batch: 5840

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.551		mg/L		110	50 - 150

Lab Sample ID: MB 885-5883/1-A
 Matrix: Solid
 Analysis Batch: 5918

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 5883

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.5	mg/Kg		05/30/24 14:06	05/30/24 16:38	1

Lab Sample ID: LCS 885-5883/2-A
 Matrix: Solid
 Analysis Batch: 5918

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 5883

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	15.0	14.0		mg/Kg		93	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

GC VOA

Prep Batch: 5688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	5030C	
885-5134-2	NPW-2	Total/NA	Solid	5030C	
885-5134-3	NPW-3	Total/NA	Solid	5030C	
885-5134-4	NPW-4	Total/NA	Solid	5030C	
885-5134-5	NPW-5	Total/NA	Solid	5030C	
885-5134-6	NPW-6	Total/NA	Solid	5030C	
885-5134-7	NPW-7	Total/NA	Solid	5030C	
MB 885-5688/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-5688/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5688/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 5705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	5030C	
MB 885-5705/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-5705/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-5705/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 5860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8015M/D	5705
MB 885-5705/1-A	Method Blank	Total/NA	Solid	8015M/D	5705
LCS 885-5705/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5705

Analysis Batch: 5861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8021B	5705
MB 885-5705/1-A	Method Blank	Total/NA	Solid	8021B	5705
LCS 885-5705/3-A	Lab Control Sample	Total/NA	Solid	8021B	5705

Analysis Batch: 5929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8015M/D	5688
885-5134-2	NPW-2	Total/NA	Solid	8015M/D	5688
885-5134-3	NPW-3	Total/NA	Solid	8015M/D	5688
885-5134-4	NPW-4	Total/NA	Solid	8015M/D	5688
885-5134-5	NPW-5	Total/NA	Solid	8015M/D	5688
885-5134-6	NPW-6	Total/NA	Solid	8015M/D	5688
885-5134-7	NPW-7	Total/NA	Solid	8015M/D	5688
MB 885-5688/1-A	Method Blank	Total/NA	Solid	8015M/D	5688
LCS 885-5688/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5688

Analysis Batch: 5930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8021B	5688
885-5134-2	NPW-2	Total/NA	Solid	8021B	5688
885-5134-3	NPW-3	Total/NA	Solid	8021B	5688
885-5134-4	NPW-4	Total/NA	Solid	8021B	5688
885-5134-5	NPW-5	Total/NA	Solid	8021B	5688
885-5134-6	NPW-6	Total/NA	Solid	8021B	5688
885-5134-7	NPW-7	Total/NA	Solid	8021B	5688

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

GC VOA (Continued)

Analysis Batch: 5930 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-5688/1-A	Method Blank	Total/NA	Solid	8021B	5688
LCS 885-5688/3-A	Lab Control Sample	Total/NA	Solid	8021B	5688

GC Semi VOA

Prep Batch: 5721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	SHAKE	
885-5134-2	NPW-2	Total/NA	Solid	SHAKE	
885-5134-3	NPW-3	Total/NA	Solid	SHAKE	
885-5134-4	NPW-4	Total/NA	Solid	SHAKE	
885-5134-5	NPW-5	Total/NA	Solid	SHAKE	
885-5134-6	NPW-6	Total/NA	Solid	SHAKE	
885-5134-7	NPW-7	Total/NA	Solid	SHAKE	
885-5134-7 MS	NPW-7	Total/NA	Solid	SHAKE	
885-5134-7 MSD	NPW-7	Total/NA	Solid	SHAKE	

Prep Batch: 5887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	SHAKE	
MB 885-5887/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-5887/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-5134-8 MS	NPW-8	Total/NA	Solid	SHAKE	
885-5134-8 MSD	NPW-8	Total/NA	Solid	SHAKE	

Analysis Batch: 5938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	8015M/D	5721
885-5134-2	NPW-2	Total/NA	Solid	8015M/D	5721
885-5134-3	NPW-3	Total/NA	Solid	8015M/D	5721
885-5134-4	NPW-4	Total/NA	Solid	8015M/D	5721
885-5134-5	NPW-5	Total/NA	Solid	8015M/D	5721
885-5134-6	NPW-6	Total/NA	Solid	8015M/D	5721
885-5134-7	NPW-7	Total/NA	Solid	8015M/D	5721
885-5134-7 MS	NPW-7	Total/NA	Solid	8015M/D	5721
885-5134-7 MSD	NPW-7	Total/NA	Solid	8015M/D	5721

Analysis Batch: 5949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	8015M/D	5887
MB 885-5887/1-A	Method Blank	Total/NA	Solid	8015M/D	5887
LCS 885-5887/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	5887
885-5134-8 MS	NPW-8	Total/NA	Solid	8015M/D	5887
885-5134-8 MSD	NPW-8	Total/NA	Solid	8015M/D	5887

HPLC/IC

Prep Batch: 5755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	300_Prep	
885-5134-2	NPW-2	Total/NA	Solid	300_Prep	
885-5134-3	NPW-3	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

HPLC/IC (Continued)

Prep Batch: 5755 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-4	NPW-4	Total/NA	Solid	300_Prep	
885-5134-5	NPW-5	Total/NA	Solid	300_Prep	
885-5134-6	NPW-6	Total/NA	Solid	300_Prep	
885-5134-7	NPW-7	Total/NA	Solid	300_Prep	
MB 885-5755/2-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5755/3-A	Lab Control Sample	Total/NA	Solid	300_Prep	
MRL 885-5755/1-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-5134-1 MS	NPW-1	Total/NA	Solid	300_Prep	
885-5134-1 MSD	NPW-1	Total/NA	Solid	300_Prep	
885-5134-2 MS	NPW-2	Total/NA	Solid	300_Prep	
885-5134-2 MSD	NPW-2	Total/NA	Solid	300_Prep	

Analysis Batch: 5840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-1	NPW-1	Total/NA	Solid	300.0	5755
885-5134-2	NPW-2	Total/NA	Solid	300.0	5755
885-5134-3	NPW-3	Total/NA	Solid	300.0	5755
885-5134-4	NPW-4	Total/NA	Solid	300.0	5755
885-5134-5	NPW-5	Total/NA	Solid	300.0	5755
885-5134-6	NPW-6	Total/NA	Solid	300.0	5755
885-5134-7	NPW-7	Total/NA	Solid	300.0	5755
MB 885-5755/2-A	Method Blank	Total/NA	Solid	300.0	5755
MB 885-5840/72	Method Blank	Total/NA	Solid	300.0	
LCS 885-5755/3-A	Lab Control Sample	Total/NA	Solid	300.0	5755
MRL 885-5755/1-A	Lab Control Sample	Total/NA	Solid	300.0	5755
MRL 885-5840/71	Lab Control Sample	Total/NA	Solid	300.0	
885-5134-1 MS	NPW-1	Total/NA	Solid	300.0	5755
885-5134-1 MSD	NPW-1	Total/NA	Solid	300.0	5755
885-5134-2 MS	NPW-2	Total/NA	Solid	300.0	5755
885-5134-2 MSD	NPW-2	Total/NA	Solid	300.0	5755

Prep Batch: 5883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	300_Prep	
MB 885-5883/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-5883/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 5918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-5134-8	NPW-8	Total/NA	Solid	300.0	5883
MB 885-5883/1-A	Method Blank	Total/NA	Solid	300.0	5883
LCS 885-5883/2-A	Lab Control Sample	Total/NA	Solid	300.0	5883

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-1

Lab Sample ID: 885-5134-1

Date Collected: 05/24/24 08:40

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 18:27
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 18:27
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 13:33
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 12:18

Client Sample ID: NPW-2

Lab Sample ID: 885-5134-2

Date Collected: 05/24/24 08:46

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 18:51
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 18:51
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 13:57
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 12:55

Client Sample ID: NPW-3

Lab Sample ID: 885-5134-3

Date Collected: 05/24/24 08:50

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 19:14
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 19:14
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 14:22
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:32

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 19:38

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-4

Lab Sample ID: 885-5134-4

Date Collected: 05/24/24 08:54

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 19:38
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 14:46
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:44

Client Sample ID: NPW-5

Lab Sample ID: 885-5134-5

Date Collected: 05/24/24 08:56

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:01
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:01
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 15:11
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 13:56

Client Sample ID: NPW-6

Lab Sample ID: 885-5134-6

Date Collected: 05/24/24 09:02

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:24
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:24
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 16:00
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 14:34

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8015M/D		1	5929	JP	EET ALB	05/30/24 20:48
Total/NA	Prep	5030C			5688	AT	EET ALB	05/28/24 09:01
Total/NA	Analysis	8021B		1	5930	JP	EET ALB	05/30/24 20:48

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-5134-1

Client Sample ID: NPW-7

Lab Sample ID: 885-5134-7

Date Collected: 05/24/24 09:08

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			5721	DH	EET ALB	05/28/24 13:30
Total/NA	Analysis	8015M/D		1	5938	DH	EET ALB	05/30/24 16:24
Total/NA	Prep	300_Prep			5755	JT	EET ALB	05/29/24 07:48
Total/NA	Analysis	300.0		20	5840	SS	EET ALB	05/29/24 14:46

Client Sample ID: NPW-8

Lab Sample ID: 885-5134-8

Date Collected: 05/24/24 09:12

Matrix: Solid

Date Received: 05/25/24 07:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			5705	AT	EET ALB	05/28/24 11:56
Total/NA	Analysis	8015M/D		1	5860	JP	EET ALB	05/29/24 20:10
Total/NA	Prep	5030C			5705	AT	EET ALB	05/28/24 11:56
Total/NA	Analysis	8021B		1	5861	JP	EET ALB	05/29/24 20:10
Total/NA	Prep	SHAKE			5887	SB	EET ALB	05/30/24 14:51
Total/NA	Analysis	8015M/D		1	5949	JU	EET ALB	05/31/24 15:55
Total/NA	Prep	300_Prep			5883	RC	EET ALB	05/30/24 14:06
Total/NA	Analysis	300.0		20	5918	RC	EET ALB	05/30/24 21:59

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-5134-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-5134-1

Login Number: 5134

List Source: Eurofins Albuquerque

List Number: 1

Creator: Rojas, Juan

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



ATTACHMENT 4 – NMOCD CORRESPONDENCE

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, September 13, 2022 3:05 PM
To: Tina Huerta <Tina_Huerta@eogresources.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 90872

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Tina Huerta for EOG RESOURCES INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAPP2123047534,

with the following conditions:

- The Remediation Plan is Conditionally Approved. The geosynthetic clay liner at 6 feet below ground surface is approved under the circumstance that as much contaminated soil is safely removed as possible. The excavations should be backfilled to 6 feet below surface with clean material, liner installed, and then backfilled to surface with clean material. Soil sample areas TH-A test excavation and TH-5 should be included in the process. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Confirmation samples should be collected every 200 ft². A closure report will need to be completed and uploaded within 90 days.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505





Will Kierdorf <will@rangerenv.com>

Roy SWD #3 Meeting Review

Will Kierdorf <will@rangerenv.com>

Mon, Dec 5, 2022 at 3:56 PM

To: "Bratcher, Michael, EMNRD" <mike.bratcher@emnrd.nm.gov>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>

Cc: Chase Settle <Chase_Settle@eogresources.com>, Katie Jamison <Katie_Jamison@eogresources.com>, Patrick Finn <pkfinn@rangerenv.com>

Mike/Robert,

As requested, Ranger has prepared this email to summarize the results of our conference call on Tuesday November 29, 2022:

EASTERN OFF-PAD AND SOUTHERN ON-PAD AREAS (NAPP2111046250)

Ranger's October 12, 2021 *Site Characterization and Proposed Remediation Plan* proposed removal of affected soils located outside of the closed pit to a minimum depth of 6' bgs. The only exception to this was that any soils located adjacent to the pit whose removal might endanger the integrity of the closed pit would not be removed. In the area located over the closed pit, the remediation plan proposed to remove all affected soils located above the plastic liner of the pit. Soils exceeding the site closure criteria that were located outside of the closed pit and below a depth of six (6) feet bgs were proposed to be either excavated or covered with a geosynthetic clay liner. A geosynthetic clay liner was also proposed to be installed on top of the plastic liner which overlies the closed pit and then backfilled with two feet of topsoil. On April 21, 2022, the NMOCD approved the plan with the following conditions of approval:

"The Remediation Plan is Conditionally Approved. The variance for closure confirmation samples not to exceed 400 ft2 is approved. Removal of the plastic liner of the closed pit and a geosynthetic clay liner installation is approved. A geosynthetic clay liner located outside of the closed pit area is allowed at 6 ft below ground surface once all sample points have been vertically delineated and it has been determined that there is no imminent threat to ground water, surface water, human health, or the environment. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The work will need to occur 90 days after the work plan has been approved."

Due to activities related to the plugging and abandonment of the on-site disposal well, the start of remediation operations was delayed until May 10, 2022. A *Remediation Plan Update* dated July 20, 2022 was prepared and submitted to the NMOCD. Subsequent to the submittal of the July 2022 *Remediation Plan Update*, multiple additional phases of excavation were conducted, and additional cleanup confirmation soil samples were collected. At present, all soil excavation and removal activities have been completed. The geosynthetic clay liner (GCL) has not yet been installed, however, and is pending landowner approval.

Based upon the results of our conference call this morning, the NMOCD informed EOG and Ranger that the prior remediation plan approval related to the closed pit area was rescinded. The NMOCD stated that since the closed pit area was subsequently utilized as part of the facility pad/operations area, that the spill rules would apply. As such, the NMOCD requested that the following actions now be undertaken with regard to the closed pit area:

***Assessment of the closed pit area:** NMOCD requested that a minimum of 12 locations over the closed pit (within the bermed area), and an additional 2-3 locations over the closed pit area to the south of the pad berm, be assessed for potential impacts. The proposed assessment locations are depicted on the attached *Proposed Additional Assessment Location Map*. As requested in Mr. Bratcher's 12/02/2022 email, three locations (identified with a blue dot on the attached figure) will be completed first and samples collected from the locations will be analyzed for BTEX, TPH and Cl. The three

locations have been selected based on the laboratory analytical results of samples previously collected from the immediate area of the proposed locations. Sample analysis of the remaining locations (identified with a green dot) will be determined based on the laboratory analytical results of samples collected at the initial three locations and field observations/readings (OVM readings, olfactory and visual observations).

***GCL Liner:** NMOCD has rescinded the prior approval to remove the affected soils located above the plastic liner of the pit and to cover the pit with a GCL liner and two feet of topsoil. Instead, the NMOCD will now require that any affected soil areas be excavated to a minimum depth of 4 feet bgs (to meet the reclamation requirements) with further discussion to occur in regards to liner placement after analytical results are received.

NORTHERN ON-PAD AREA (NMOCD Incident # nAPP2123047534)

Based upon the results of the conference call, the NMOCD was generally satisfied with the ongoing activities in this area as well as confirming that the previous remediation activities around the wellhead including liner placement are complete with no further actions to be completed where the confirmation samples were below closure criteria or in the lined area. It was discussed that the remediation approach for this area is similar to the eastern off-pad area with affected soil areas being excavated to minimum depths of 6 feet bgs and any areas remaining in exceedance of the closure criteria being covered with a GCL liner. The only possible exception to this would be that if any remaining soils below 6 feet bgs are documented to contain chloride concentrations in excess of 10,000 mg/Kg, then this will be discussed with the NMOCD prior to liner placement to determine whether attempts should be made to further excavate in these areas until soils with lower chloride concentrations are reached. Vertical delineation of impacts in the northern on-pad area will be conducted similarly to the eastern off-pad area.

TANK BATTERY AREA (2RP-4576 & 2RP-5094)

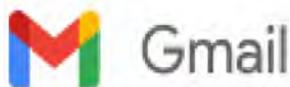
It was discussed that assessment activities have been completed in this area and an assessment report/remediation plan will be forthcoming.

The NMOCD is respectfully requested to confirm the above meeting summary so that all involved parties have a clear understanding of the actions which will now be required to achieve closure of the release incidents at this site. Upon completion of the assessment activities in the historic pit location, an additional meeting will be scheduled to discuss the findings and path forward for the area.

Sincerely,

--

**Will Kierdorf, REM
Project Manager
Ranger Environmental Services, Inc.
P.O. Box 201179
Austin, TX 78720
Phone: 512-335-1785
Fax: 512-335-0527**



Will Kierdorf <will@rangerenv.com>

Roy SWD #3 Meeting Review

Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Tue, Jan 24, 2023 at 12:07 PM

To: Will Kierdorf <will@rangerenv.com>

Cc: Chase Settle <Chase_Settle@eogresources.com>, Katie Jamison <Katie_Jamison@eogresources.com>, Patrick Finn <pkfynn@rangerenv.com>, "Hamlet, Robert, EMNRD" <Robert.Hamlet@emnrd.nm.gov>

Will,

Your summary of our meeting is as discussed. Once the additional delineation has been performed in the area identified by a dashed red line, a decision can be made on final requirements for this area. The sample point areas identified are approved.

Thank you,

Mike Bratcher • Incident Supervisor

Environmental Bureau

EMNRD - Oil Conservation Division

506 W. Texas Ave | Artesia, NM 88210

(575) 626-0857 | mike.bratcher@emnrd.nm.gov

<http://www.emnrd.nm.gov/ocd>



From: Will Kierdorf <will@rangerenv.com>

Sent: Thursday, January 5, 2023 2:42 PM

To: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>

Cc: Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Patrick Finn <pkfynn@rangerenv.com>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>

Subject: [EXTERNAL] Re: Roy SWD #3 Meeting Review

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Friday, August 20, 2021 11:36 AM
To: Robert.Hamlet@state.nm.us
Cc: Chase Settle; Greg Cox; 'Kelly Mack Cassels'; Michael Yemm; BODEE EUDY; Katie Jamison; ahowell@pvt.n.net
Subject: Roy SWD 3 Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below location.

Roy SWD 3
7-19S-25E
Eddy County, NM
nAPP2123047534

Sampling will begin at 10:30 a.m. on Tuesday, August 24, 2021 and on Thursday, August 26, 2021.

Thank you and have a great day!

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, September 16, 2021 5:29 PM
To: Robert.Hamlet@state.nm.us
Cc: Artesia Regulatory; Chase Settle; Yvette Moore; Ashley Bravo
Subject: Roy SWD 3 (nAPP2123047534) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling activities to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
nAPP2123047534

Sampling will begin at 7:30 a.m. on Tuesday, September 21, 2021.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, March 23, 2022 5:08 PM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; blm_nm_cfo_spill@blm.gov; Alan & Cheryl <ahowell@pvt.n.net>; Austin Weyant <austin@atkinseng.com>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>
Subject: [EXTERNAL] Roy SWD 3 (nAPP2123047534) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

Eog Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
nAPP2123047534

Sampling will begin at 8:00 a.m. on Wednesday, March 30, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

Released to Imaging: 9/4/2025 13:33:38 PM

Received by OCD: 6/19/2025 10:15:46 AM

Page 1842 of 2289

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, March 31, 2022 9:48 AM
To: Robert.Hamlet@state.nm.us; Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>
Subject: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; BODEE EUDY <BODEE_EUDY@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>
Subject: Roy SWD 3 (nAPP2123047534) Sampling Notification

Good Morning,

Eog Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

- Roy SWD 3
- -19S-25E
- Eddy County, NM
- nAPP2123047534

Sampling will begin at 8:15 a.m. on Monday, April 4, 2022, and will be continuous through Friday, April 8, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Released by Imaging: 9/4/2025 1:35:38 PM

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, May 12, 2022 10:00 AM
To: Robert.Hamlet@state.nm.us; ahowell@pvtm.net; austin@atkinseng.com
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>
Subject: Roy SWD 3 (nAPP2123047534) Sampling Notification

Good morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
7-19S-25E; Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 07:00 a.m. on Monday, May 16, 2022 and will continue through Friday, May 20, 2022.

Thank you,

Miriam Morales

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, September 21, 2022 10:12 AM
To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Friday, September 23, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP211104



Tina Huerta <Tina_Huerta@eogresources.com>

to ocd.enviro@emnrd.nm.gov, Alan & Cheryl, Austin Weyant, Andrea Felix, Katie Jamison, Michael Yemm, Terrence Ge

You are viewing an attached message. Rangerenv.com Mail can't verify the authenticity of attached messa

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, October 3, 2022 and will continue through Friday, October 7, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, October 6, 2022 8:18 AM
To: ocd.enviro@emnrd.nm.gov; Alan & Cheryl <ahowell@pvtm.net>; Austin Weyant <austin@atkinseng.com>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, October 10, 2022 and will continue through Friday, October 14, 2022.

Thank you.

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina.huerta@eogresources.com



Artesia Division

Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification



Tina Huerta <Tina_Huerta@eogresources.com>

to ocd.enviro@emnrd.nm.gov, Alan & Cheryl, Austin Weyant, Andrea Felix, Katie Jamison, Michael Yemm, Terrence Gant ▾

You are viewing an attached message. Rangerenv.com Mail can't verify the authenticity of attached messages.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, October 24, 2022 and will continue through Friday, October 28, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification



Tina Huerta <Tina_Huerta@eogresources.com>

Thu, Oct 27, 9:33 AM (20 hours ago)

to ocd.enviro@emnrd.nm.gov, Alan & Cheryl, Austin Weyant, Andrea Felix, Katie Jamison, Michael Yemm, Terrence Gant ▾

You are viewing an attached message. Rangerenv.com Mail can't verify the authenticity of attached messages.



Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD 3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, October 31, 2022 and will continue through Friday, November 4, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Wednesday, November 2, 2022 4:14 PM
To: Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>; ocd.enviro@emnrd.nm.gov
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>;
Terrence Gant <Terry_Gant@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, November 7, 2022 and will continue through Friday, November 11, 2022.

Thank you,

Miriam Morales

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 9, 2022 1:37 PM
To: ocd.enviro@emnr.d.nm.gov; Alan & Cheryl <ahowell@pvtr.net>; Austin Weyant <austin@atkinseng.com>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:00 a.m. on Monday, November 14, 2022 and will continue through Friday, November 18, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, November 16, 2022 4:17 PM
To: ocd.enviro@emnrd.nm.gov; Alan & Cheryl <ahowell@pvtm.net>; Austin Weyant <austin@atkinseng.com>
Co: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 8:00 a.m. on Monday, November 21, 2022 and will continue through Tuesday, November 22, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Monday, November 28, 2022 9:48 AM
To: ocd.enviro@emnrd.nm.gov; Alan & Cheryl <ahowell@pvt.net>; Austin Weyant <austin@atkinseng.com>
Cc: Andrea Felix <Andrea_Felix@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Michael Yemm <Michael_Yemm@eogresources.com>; Terrence Gant <Terry_Gant@eogresources.com>
Subject: Roy SWD 3 (2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Roy SWD #3
P-7-19S-25E
Eddy County, NM
2RP-4576, 2RP-5094, nAPP2123047534, nAPP2111046250

Sampling will begin at 10:30 a.m. on Wednesday, November 30, 2022 and will continue through Friday, December 2, 2022.

Thank you,

Tina Huerta
Regulatory Specialist
Direct: 575.748.4168
Cell: 575.703.3121
Email: tina_huerta@eogresources.com



Artesia Division

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, March 5, 2024 10:15 AM

To: James Kennedy <James_Kennedy@egresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 320189

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2123047534.

The sampling event is expected to take place:

When: 03/07/2024 @ 09:00

Where: P-07-19S-25E 810 FSL 860 FEL (32.67059,-104.61773)

Additional Information: Chase Settle

575-703-6637

chase_settle@egresources.com

Additional Instructions: Directions to site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: QCDOOnline@state.nm.us <QCDOOnline@state.nm.us>
Sent: Monday, April 15, 2024 10:42 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 333226

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAPP2123047534.

The sampling event is expected to take place:

When: 04/17/2024 @ 09:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.67059,-104.61773)

Additional Information: Chase Settle

575-703-6537

chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, May 21, 2024 10:30 AM

To: James Kennedy <James_Kennedy@eogresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 346197

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2123047534.

The sampling event is expected to take place:

When: 05/24/2024 @ 07:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.87059,-104.61773)

Additional Information: Chase Settle 575-703-8537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505



**RECLAMATION REPORT
(VOLUME 4 OF 4)
ROY SWD #3**

**NAB1801936658, NAB1834454137, NAPP2111045260, & NAPP2123047534
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

MAY 30, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by a horizontal line.

**William Kierdorf, REM
Project Manager**

APPENDIX D – NMOCD APPROVED SITE
REMEDICATION AND CLOSURE REPORTS

D.3 - NMOCD INCIDENTS #NAB1801936658 &
#NAB1834454137



**SITE REMEDIATION AND CLOSURE REPORT
ROY SWD #3 – TANK BATTERY AREA**

**NAB1801936658 & NAB1834454137
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
MIDLAND DIVISION
5509 CHAMPIONS DRIVE
MIDLAND, TEXAS 79706**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, LLC
P.O. BOX 201179
AUSTIN, TEXAS 78720**

JANUARY 21, 2025

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a series of loops and a horizontal line.

**Patrick K. Finn, P.G. (TX)
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by several horizontal strokes.

**William Kierdorf, REM
Project Manager**

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- Attachment 2 – Laboratory Analytical Reports
- Attachment 3 – NMOCD Correspondence



**SITE REMEDIATION AND CLOSURE REPORT
ROY SWD #3 – TANK BATTERY AREA**

**NAB1801936658 & NAB1834454137
UNIT P, SECTION 7, TOWNSHIP 19S, RANGE 25E
EDDY COUNTY, NEW MEXICO
32.67059, -104.51773
RANGER REFERENCE NO. 5375**

1.0 SITE LOCATION AND BACKGROUND

The Roy SWD #3 (Site) is located on private land, approximately 13.6 miles southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit P, Section 7, T19S-R25E at GPS coordinates 32.67059, -104.51773. The site was operated by EOG Resources, Inc. (EOG) and historically consisted of a saltwater disposal well, a tank battery with an earthen containment berm, pump houses and associated equipment. Operations at the site were once conducted within the full extent of the facility pad; however, a reduction of operations at the Site left the southern approximate half of the facility pad unused. Prior to the reporting of the subject incident detailed below, reclamation efforts to decommission the southern portion of the pad were completed. In April and May of 2022, plugging and abandonment of the on-site disposal well was completed. Additionally, the on-site tank battery and associated equipment has been taken out-of-service, decommissioned, and removed from the Site.

On January 4, 2018, a release was discovered at the Site due to a failure in the PVC waterleg line that connects the gun barrel to the water tank. The impacted area was approximately 90 feet by 20 feet inside of the battery berm to the north of the tanks. Initial response activities included source elimination and site stabilization activities, which recovered approximately 5 barrels (bbls) of fluid. The release and initial response activities were reported by EOG to the New Mexico Oil Conservation Division (NMOCD) on Form C-141, dated January 18, 2018 (NMOCD Remediation Permit RP-4576 / NMOCD Incident ID nAB1801936658).

In response to the release event, the visually impacted area of the release on the north side of the battery was excavated with the removal of impacted material resulting in an approximate 40 feet by 20 feet by 4 feet deep excavation which remained open for some time. In January 2018, Souder, Miller and Associates (SMA) completed soil boring activities in an attempt to delineate the impacts associated with the release and develop a remedial strategy for the incident.

Prior to the development of a remedial plan for the January 4, 2018 release, on November 13, 2018, an additional release was discovered due to failure of the line that connected the gun barrel to the produced water tank. The release resulted in an impacted area approximately 20 feet by 150 feet and was confined within the battery's earthen containment. Initial response activities were conducted by EOG which included source elimination and site stabilization, recovering 120 bbls of fluid. The release and initial response activities were reported by EOG to NMOCD on Form C-141, dated November 28, 2018 (NMOCD Remediation Permit RP-5094 / NMOCD Incident ID nAB1834454137).

From December 2018 to September 2019, representatives of SMA and EOG completed additional assessment efforts in the tank battery area. The efforts included the installation of additional soil borings and test excavations to assist in the delineation of the soil impacts.

EOG subsequently retained Ranger Environmental Services, LLC (Ranger) to oversee the remaining site assessment and remediation activities since Ranger was conducting other assessment and remediation activities at the former Roy SWD #3 facility (NMOCD Incident #s nAPP2111046250 and nAPP2123047534).

As summarized above, in April 2022, the Roy SWD #3 injection well was plugged and abandoned (P&A'd). Following completion of the P&A process, the remaining facility, including the tank battery, was decommissioned and removed from the Site. From May to August 2022, Ranger and representatives of EOG completed additional assessment efforts in the Tank Battery area which included the installation of additional soil borings and test excavations. Utilizing the findings of the completed SMA and Ranger assessment activities a Ranger prepared *Site Status Update and Proposed Remediation Plan*, dated November 1, 2022, was submitted to the NMOCD. The report included details and results of the completed site assessment activities and proposed a remedial strategy to address the impacts within the tank battery area. The proposed remedial strategy included limited soil removal to a depth of six feet below ground surface (bgs) and the installation of a geosynthetic clay liner (GCL). On June 2, 2023, the NMOCD approved (with conditions) the proposed remediation plan for the tank battery area. The NMOCD conditional approval stated that *"The variance for the geosynthetic clay liner at 6 feet below ground surface is approved under the circumstance that as much contaminated soil is safely removed as possible."*

Due to the prolonged NMOCD response to the November 1, 2022 *Site Status Update and Proposed Remediation Plan* and the on-going remedial operations associated with the above-referenced additional release incidents (NMOCD Incident #s nAPP2111046250 and nAPP2123047534), the remedial operations in the tank battery area were initiated in July 2024. It should be noted, however, that since it was unclear as to what the NMOCD would consider to be "safe" versus "unsafe" in regard to excavation depth, and what level of remediation would be considered acceptable to the NMOCD, a decision was made to remediate the subject release incidents to the applicable NMAC 19.15.29.12 Table 1 Criteria, detailed below.

A *Topographic Map* and *Area Map* noting the location of the subject property and surrounding areas are provided in the Figures section.

2.0 SITE REMEDIATION

2.1 Closure Criteria

Based upon the site characterization details provided in the November 1, 2022 *Site Status Update and Proposed Remediation Plan*, the Site was remediated to the Table 1 19.15.29.12 NMAC (groundwater \leq 50' feet) criteria (Table 1 Criteria). Additionally, the remediation activities were completed to bring the surface to four-foot depth interval into compliance with the Restoration, Reclamation and Re-Vegetation criteria (Reclamation Criteria) detailed in 19.15.29.13 NMAC. The applicable NMAC 19.15.29 criteria are detailed below:



SITE CLOSURE CRITERIA¹

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100 ²	50 ²	10 ²

All Values Presented in Parts Per Million (mg/Kg)

1. Full site characterization details are included in the Site Characterization and Proposed Remediation Work Plan, dated November 1, 2022.
2. Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC) dated December 1, 2023.

2.2 Impacted Soil Removal and Remediation Summary

Soil removal operations were completed at the Site from July 11, 2024 to December 19, 2024. Field readings were continuously collected throughout the excavation process to guide the horizontal and vertical extents of the excavation and qualitatively assess the cleanup progress. The field screening activities conducted by Ranger personnel during the soil excavation process involved the usage of an organic vapor monitor (OVM) and field chloride titration kit to assist in guiding the excavation to appropriate boundaries. Upon reaching boundaries in an area which appeared to have attained the site closure criteria based upon the field screening results, cleanup confirmation soil samples were then collected for laboratory analysis in accordance with the approved Remediation Plan. Prior to each cleanup confirmation soil sampling event, appropriate notice was provided to the NMOCD in accordance with NMAC 19.15.29.12 (D). Copies of the notifications are attached.

Numerous cleanup confirmation soil sampling events were ultimately conducted to verify the field readings and confirm whether or not the site closure criteria had been attained. In the event that the cleanup confirmation soil sampling results indicated that the site closure criteria had not been attained, then additional over-excavation and re-sampling of those areas was conducted.

The cleanup confirmation soil samples were collected in accordance with NMAC 19.15.29.12 Subsection D as representative five-point composite samples from the sidewalls and base representative of no more than 200 square feet. The samples were collected and managed using standard QA/QC and chain-of-custody procedures. Ranger personnel wore new nitrile gloves while handling each sample in order to prevent cross-contamination of samples.

The collected soil samples were containerized in sterile, laboratory-supplied containers and were subsequently sealed in one or more zip lock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date and time of sample collection, and samplers' initials. Chain-of-custody forms were completed to document sample transport to the analytical laboratory.



Upon collection, the soil samples were submitted to Eurofins Albuquerque (formerly Hall Environmental Analysis Laboratory, Inc.) in Albuquerque, New Mexico for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015; benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021; and, total chloride using EPA Method 300. Copies of the laboratory analytical reports including chain-of-custody documentation are attached.

2.3 Final Excavation Dimensions and Cleanup Confirmation Soil Sample Results

The final cleanup confirmation soil sample results documented attainment of the Table 1 Criteria (GW \leq 50') and Reclamation Criteria summarized in Section 2.1. Upon completion of the soil removal activities, the excavated area had maximum dimensions of approximately 183 feet by 79 feet and was completed to depths ranging from approximately 2' to 28' bgs. A *Final Excavation Area and Confirmation Sample Location Map* is provided in the Figures section which illustrates the completed excavation boundaries and the locations of the final cleanup confirmation soil samples.

During the remediation process, the primary constituent of concern was documented to be chloride. Four cleanup confirmation soil samples collected in August 2024 were, however, found to contain TPH concentrations that were slightly elevated above the target cleanup criteria, and as such these areas were subsequently overexcavated. It should be noted, however, that three cleanup confirmation soil samples collected on November 25, 2024 were documented to contain TPH concentrations that were greater than the levels previously documented within the excavation in August 2024. These elevated TPH concentrations were associated with a minor hydraulic fluid spray of deminimis volume originating from the site excavation equipment. Repairs to the equipment were completed and the affected areas were subsequently removed.

The attached "*Tank Battery Confirmation Samples - Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data*" table provides a comprehensive summary of the laboratory analytical results for the cleanup confirmation soil samples collected during the site remediation process. Any results presented with a "strikethrough" indicate that those sample areas were further over-excavated and resampled.

2.4 Waste Disposal

All soils generated during the remedial excavation activities at the Site were transported to disposal at either the Lea Land disposal facility in Eddy County, New Mexico or the Gandy Marley disposal facility located in Chavez County, New Mexico.

3.0 SITE CLOSURE

3.1 Site Completion & Backfill

Upon successfully completing remediation to boundaries where soil concentrations were documented to be within the target closure criteria, the areas were backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13. At the time of this report, backfilling of the excavated areas is ongoing.



3.2 Site Revegetation & Reclamation

Since the Site is no longer active, revegetation and reclamation efforts will be completed in accordance with NMAC 19.15.29.13. Full details of the Site revegetation and reclamation efforts will be submitted in a subsequent *Site Reclamation Report*.

3.3 Closure Request

Based on the completed site remediation and cleanup confirmation soil sampling activities, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests closure of the incident



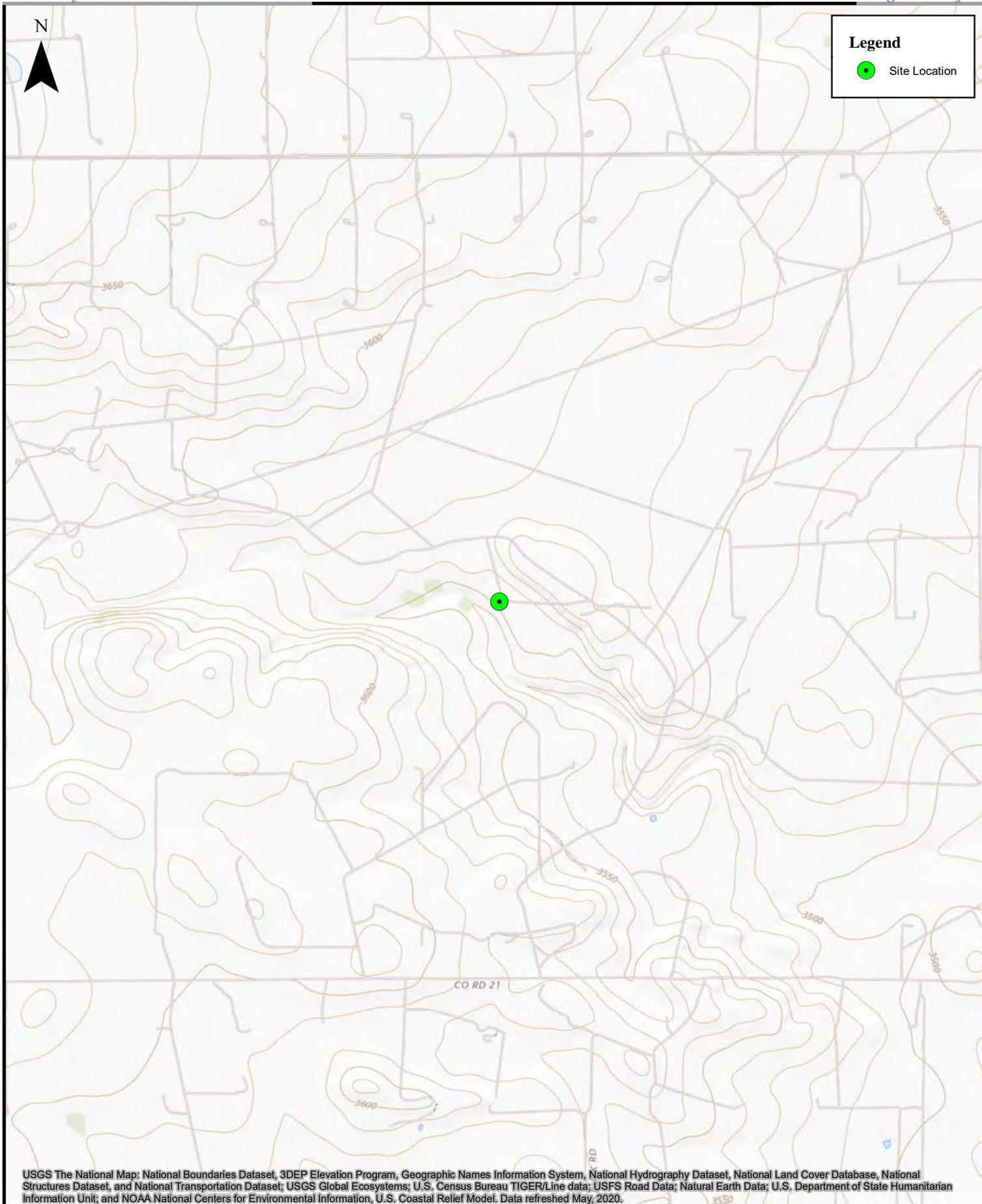
FIGURES

Topographic Map

Area Map

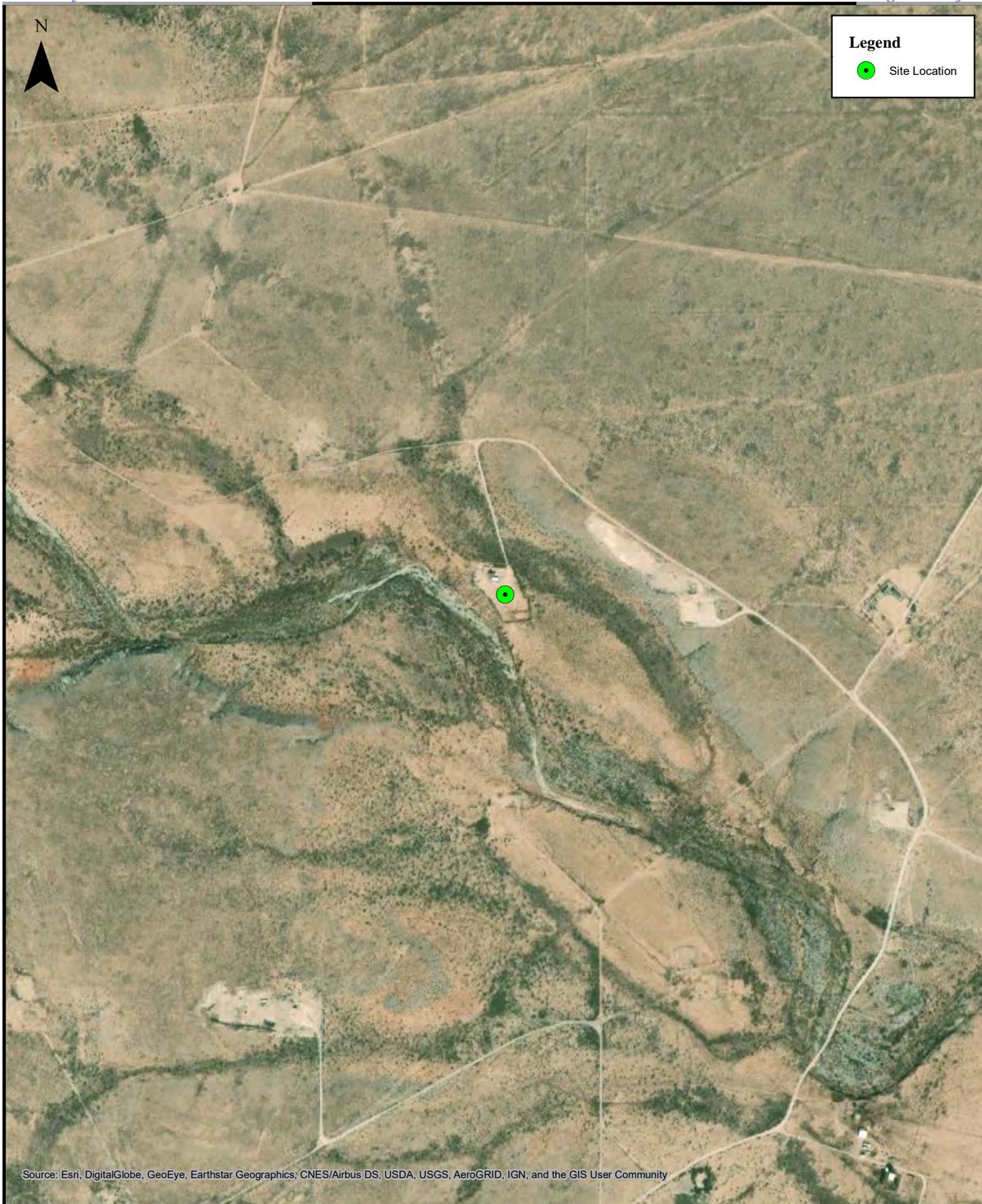
Remediation Area Overview Map

Final Excavation & Confirmation Sample Location Map

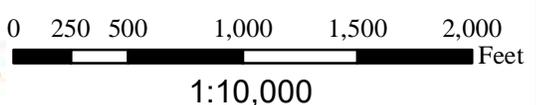


 0 600 1,200 2,400 3,600 4,800 Feet
1:24,000

Topographic Map
Roy SWD #3
EOG Resources, Inc.



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Area Map
Roy SWD #3
EOG Resources, Inc.



Legend

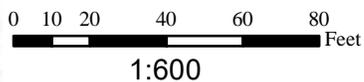
- nAB1801936658 & nAB1834454137 Impact/Remediation Area
- nAPP2123047534 Impact/Remediation Area
- nAPP2111046250 Remediation Area

Subject Impact/Remediation Area (nAB1801936658/nAB1834454137)

nAPP2123047534 Impact/Remediation Area
(Reported separately)

nAPP2111046250 Impact/Remediation Area
(Reported separately)

NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



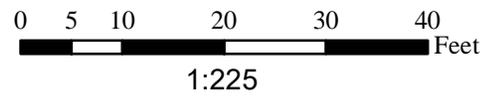
Remediation Area Overview Map
 Roy SWD #3
 EOG Resources, Inc.

Legend

- Excavation Wall Sample Area
- ▭ Excavation Base Sample Area



NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Bing Maps (Date: 2023)



**Final Excavation Area and Confirmation
 Sample Location Map**
 Roy SWD #3
 EOG Resources, Inc.

TABLES

Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) &
Chloride (EPA 300) Analytical Data

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA													
ROY SWD #3													
EDDY COUNTY, NEW MEXICO													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Base Soil Samples													
TB-B1	9/9/2024	14'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<10	<50	<10	<50	260
TB-B2	9/9/2024	14'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<50	<9.9	<50	430
TB-B3	9/9/2024	14'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.2	<46	<9.2	<46	270
TB-B4	9/9/2024	44'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	700
TB-B4A	10/3/2024	16'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.6	<48	<9.6	<48	1,400
TB-B4B	10/17/2024	17'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<10	<50	<10	<50	230
TB-B5	8/13/2024	8'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<10	<50	<10	<50	330
TB-B6	9/9/2024	17'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.4	<47	<9.4	<47	350
TB-B7	9/9/2024	14'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.3	<47	<9.3	<47	380
TB-B8	9/9/2024	14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<49	<9.7	<49	190
TB-B9	9/9/2024	14'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.2	<46	<9.2	<46	380
TB-B10	8/13/2024	8'	<0.024	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	1,300
TB-B10A	9/9/2024	14'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	120
TB-B11	9/9/2024	19'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.4	<47	<9.4	<47	600
TB-B12	9/9/2024	14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	270
TB-B13	9/9/2024	19'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.9	<49	<9.9	<49	<60
TB-B14	9/9/2024	44'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	950
TB-B14A	10/3/2024	16'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.1	<45	<9.1	<45	550
TB-B15	9/9/2024	17'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.1	<45	<9.1	<45	180
TB-B16	9/9/2024	17'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.3	<46	<9.3	<46	91
TB-B17	9/9/2024	17'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.7	<49	<9.7	<49	82
TB-B18	9/9/2024	19'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	63
TB-B19	8/13/2024	8'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	160	190	160	350	520
TB-B19A	9/9/2024	22'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	78
TB-B20	8/13/2024	8'	<0.024	<0.049	<0.049	<0.099	<0.1	<4.9	<9.9	<50	<9.9	<50	1,200
TB-B-20-A	9/9/2024	47'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.8	<44	<8.8	<44	830
TB-B20B	10/3/2024	27'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<48	<9.7	<48	900
TB-B20C	10/17/2024	28'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	140
TB-B21	9/9/2024	14'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.0	<45	<9.0	<45	<60
TB-B22	9/9/2024	14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.2	<46	<9.2	<46	160
TB-B23	8/13/2024	8'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.7	<48	<9.7	<48	780
TB-B-23A	9/9/2024	8-12'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.7	<49	<9.7	<49	670
TB-B23B	12/19/2024	8-13'	<0.020	<0.040	<0.040	<0.081	<0.1	<4.0	<9.7	<48	<9.7	<48	<60
TB-B24	8/13/2024	8'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.7	<49	<9.7	<49	440
TB-B25	8/13/2024	0-8'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.7	<49	<9.7	<49	220
TB-B26	9/9/2024	14'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.9	<50	<9.9	<50	150
TB-B27	9/9/2024	14'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<50	<9.9	<50	200
TB-B27A	10/3/2024	44'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	7,000
TB-B27B	10/17/2024	15'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	200
TB-B28	9/9/2024	14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	250
TB-B29	9/9/2024	14'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<49	<9.9	<49	240
TB-B30	9/9/2024	14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	270
TB-B31	9/9/2024	17'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.6	<48	<9.6	<48	290
TB-B32	9/9/2024	17'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.5	<48	<9.5	<48	290
TB-B33	9/9/2024	17'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<8.6	<43	<8.6	<43	<60
TB-B34	9/9/2024	14'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.5	<48	<9.5	<48	500
TB-B36	9/9/2024	44'	<0.026	<0.050	<0.050	<0.10	<0.1	<5.0	<9.5	<47	<9.5	<47	1,600
TB-B35A	10/3/2024	16'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.1	<45	<9.1	<45	2300
TB-B35B	10/17/2024	17'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.7	<48	<9.7	<48	150
TB-B36	9/9/2024	47'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.3	<46	<9.3	<46	1,300
TB-B36A	10/3/2024	49'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<10	<50	<10	<50	970
TB-B36B	10/17/2024	20'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	330
TB-B37	9/9/2024	47'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.2	<46	<9.2	<46	1,600
TB-B37A	10/17/2024	20'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<8.9	<45	<8.9	<45	250
TB-B38A	10/3/2024	20'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<8.9	<45	<8.9	<45	65
TB-B39	10/3/2024	27'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.4	<47	<9.4	<47	66
TB-B40	10/3/2024	14'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<8.6	<43	<8.6	<43	82
TB-B41	8/13/2024	2'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<10	<50	<10	<50	280
TB-B42	8/13/2024	2'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.5	<47	<9.5	<47	390
TB-B43	8/13/2024	2'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	24	<49	24	24	190
TB-B44	8/13/2024	2'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.9	<49	<9.9	<49	250
TB-B45	10/3/2024	14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<8.6	<43	<8.6	<43	77
TB-B46	8/13/2024	8'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.7	<48	<9.7	<48	390

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA													
ROY SWD #3													
EDDY COUNTY, NEW MEXICO													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
Excavation Wall Soil Samples													
TB-W1	8/13/2024	0'-6"	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<10	<50	<10	<50	300
TB-W2	8/13/2024	0'-6"	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.3	<46	<9.3	<46	160
TB-W3	8/13/2024	0'-6"	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	240
TB-W4	8/13/2024	0-2'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	44	60	44	104	490
TB-W4A	9/9/2024	2'-14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	410
TB-W5	8/13/2024	0-2'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	600
TB-W6	8/13/2024	2-8'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	45	56	45	101	480
TB-W6A	9/9/2024	2'-14'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<48	<9.5	<48	71
TB-W7	8/13/2024	0'-6"	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.7	<48	<9.7	<48	160
TB-W8	8/13/2024	0-6'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	98	120	98	218	440
TB-W8A	9/9/2024	0-14'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	110
TB-W9	8/13/2024	0'-6"	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<10	<50	<10	<50	550
TB-W10	8/13/2024	0'-6"	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.4	<47	<9.4	<47	550
TB-W11	8/13/2024	0'-6"	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.5	<48	<9.5	<48	97
TB-W12	8/13/2024	0'-6"	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	93
TB-W13	8/13/2024	0-6'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	<9.7	<49	<9.7	<49	1,500
TB-W13A	9/9/2024	0'-6"	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	35	<49	35	35	70
TB-W14	8/13/2024	0-6'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	1,700
TB-W14A	9/9/2024	0'-14'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	21	<48	21	21	<60
TB-W15	8/13/2024	0'-6"	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.8	<48	<9.8	<48	81
TB-W16	8/13/2024	0'-6"	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.9	<49	<9.9	<49	540
TB-W17	8/13/2024	2-6'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<10	<50	<10	<50	1,000
TB-W17A	9/9/2024	2'-14'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.8	<49	<9.8	<49	110
TB-W18	11/1/2024	6-14'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.5	<48	<9.5	<48	1,500
TB-W18A	11/25/2024	6-14'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.1	<46	<9.1	<46	340
TB-W19	11/1/2024	6-18'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.5	<48	<9.5	<48	1,500
TB-W19A	11/25/2024	6-18'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	460	840	460	1,270	340
TB-W19B	12/9/2024	6-18'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	13	60	13	73	570
TB-W20	11/1/2024	6-18'	<0.025	<0.050	<0.050	<0.099	<0.1	<5.0	<9.4	<47	<9.4	<47	1,300
TB-W20A	11/25/2024	6-18'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	440
TB-W21	11/1/2024	6-17'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.6	<48	<9.6	<48	1,100
TB-W21A	11/25/2024	6-17'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<10	<50	<10	<50	400
TB-W22	11/1/2024	6-17'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<48	<9.5	<48	1,100
TB-W22A	11/25/2024	6-17'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.6	<48	<9.6	<48	120
TB-W23	11/1/2024	6-14'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.3	<47	<9.3	<47	490
TB-W24	11/1/2024	6-14'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.6	<48	<9.6	<48	640
TB-W24A	11/25/2024	6-14'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.3	<47	<9.3	<47	310
TB-W25	11/1/2024	6-19'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.8	<49	<9.8	<49	510
TB-W26	11/1/2024	6-22'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.6	<48	<9.6	<48	1,000
TB-W26A	11/25/2024	6-22'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.6	<48	<9.6	<48	250
TB-W27	11/1/2024	6-22'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.9	<49	<9.9	<49	510
TB-W28	11/1/2024	6-22'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.3	<46	<9.3	<46	1,200
TB-W28A	11/25/2024	6-22'	<0.023	<0.046	<0.046	<0.093	<0.1	<4.6	250	390	250	640	460
TB-W28B	12/9/2024	6-22'	<0.019	<0.038	<0.038	<0.076	<0.1	<3.8	12	<50	12	12	500
TB-W29	11/1/2024	6-17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.8	<49	<9.8	<49	990
TB-W29A	11/25/2024	6-17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	680
TB-W29 B	12/9/2024	6-17'	<0.027	<0.053	<0.053	<0.11	<0.1	<5.3	<9.9	<50	<9.9	<50	580
TB-W30	11/1/2024	6-18'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<10	<50	<10	<50	2,000
TB-W30A	11/25/2024	6-19'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.1	<46	<9.1	<46	440
TB-W31	11/1/2024	6-22'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.7	<48	<9.7	<48	400
TB-W32	11/1/2024	6-22'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.8	<49	<9.8	<49	1,400
TB-W32A	11/25/2024	6-22'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.3	<47	<9.3	<47	360
TB-W33	11/1/2024	6-28'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.4	<47	<9.4	<47	1,500
TB-W33A	11/25/2024	6-28'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<10	<50	<10	<50	260
TB-W34	11/1/2024	6-28'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.2	<46	<9.2	<46	2,100
TB-W34A	11/25/2024	6-28'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	4,100	7,700	4,100	11,800	600
TB-W34B	12/9/2024	6-28'	<0.022	<0.045	<0.045	<0.090	<0.1	<4.5	<9.7	<48	<9.7	<48	320
TB-W35	11/1/2024	6-14'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.5	<48	<9.5	<48	2,900
TB-W35A	11/25/2024	6-14'	<0.024	<0.048	<0.048	<0.095	<0.1	<4.8	<9.6	<48	<9.6	<48	260
TB-W36	11/1/2024	6-15'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<47	<9.5	<47	400
TB-W37	12/19/2024	6'-14"	<0.027	<0.054	<0.054	<0.11	<0.1	<5.4	<9.4	<47	<9.4	<47	110
TB-W38	12/19/2024	6'-8"	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.5	<47	<9.5	<47	<60
TB-W39	12/19/2024	6'-14"	<0.021	<0.041	<0.041	<0.083	<0.1	<4.1	<9.2	<46	<9.2	<46	<60
TB-W40	12/19/2024	6'-8"	<0.022	<0.044	<0.044	<0.088	<0.1	<4.4	<9.4	<47	<9.4	<47	<60

CONFIRMATION SOIL SAMPLE BTEX (EPA 8260), TPH (EPA 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA													
ROY SWD #3													
EDDY COUNTY, NEW MEXICO													
All values presented in parts per million (mg/Kg)													
SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	CHLORIDE
TB-IW1	11/1/2024	14-18'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.1	<46	<9.1	<46	300
TB-IW2	11/1/2024	8-18'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.9	<49	<9.9	<49	92
TB-IW3	4/1/2024	8-17'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.7	<49	<9.7	<49	1,900
TB-IW3A	11/25/2024	8-17'	<0.023	<0.047	<0.047	<0.093	<0.1	<4.7	<9.6	<48	<9.6	<48	310
TB-IW4	4/1/2024	44-17'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.6	<48	<9.6	<48	1,300
TB-IW4A	11/25/2024	14-17'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.9	<50	<9.9	<50	300
TB-IW5	11/1/2024	8-14'	<0.025	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	220
TB-IW6	4/1/2024	44-19'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.3	<46	<9.3	<46	1,900
TB-IW6A	11/25/2024	44-19'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	1,300
TB-IW6B	12/9/2024	44-19'	<0.022	<0.044	<0.044	<0.088	<0.1	<4.4	<9.6	<48	<9.6	<48	1,400
TB-IW6C	12/19/2024	14'-19'	<0.020	<0.041	<0.041	<0.081	<0.1	<4.1	<9.8	<49	<9.8	<49	<60
TB-IW7	11/1/2024	14-19'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.2	<46	<9.2	<46	260
TB-IW8	4/1/2024	44-22'	<0.024	<0.048	<0.048	<0.097	<0.1	<4.8	<9.5	<48	<9.5	<48	1,500
TB-IW8A	4/1/26/2024	44-22'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.5	<48	<9.5	<48	1,400
TB-IW8B	12/9/2024	14-22'	<0.022	<0.044	<0.044	<0.088	<0.1	<4.4	<9.7	<48	<9.7	<48	310
TB-IW9	4/1/2024	47-22'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.5	<48	<9.5	<48	1,700
TB-IW9A	11/25/2024	17-22'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	500
TB-IW10	4/1/2024	47-22'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.8	<49	<9.8	<49	2,000
TB-IW10A	11/25/2024	17-22'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.2	<46	<9.2	<46	170
TB-IW11	11/1/2024	17-26'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.2	<46	<9.2	<46	420
TB-IW12	4/1/2024	47-26'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.3	<46	<9.3	<46	1,400
TB-IW12A	11/25/2024	17-26'	<0.025	<0.049	<0.049	<0.099	<0.1	<4.9	<9.8	<49	<9.8	<49	280
TB-IW13	11/1/2024	19-26'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	380
TB-IW14	4/1/2024	22-28'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.7	<48	<9.7	<48	1,500
TB-IW14A	11/25/2024	22-28'	<0.024	<0.049	<0.049	<0.098	<0.1	<4.9	<9.9	<50	<9.9	<50	300
TB-IW15	4/1/2024	44-28'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.5	<48	<9.5	<48	2,300
TB-IW15A	4/1/25/2024	44-28'	<0.024	<0.047	<0.047	<0.094	<0.1	<4.7	<9.7	<48	<9.7	<48	640
TB-IW15B	12/9/2024	14-28'	<0.020	<0.041	<0.041	<0.081	<0.1	<4.1	14	<46	14	14	460
TB-IW16	11/1/2024	14-27'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.3	<46	<9.3	<46	370
TB-IW17	4/1/2024	44-27'	<0.023	<0.047	<0.047	<0.094	<0.1	<4.7	<9.2	<46	<9.2	<46	1,400
TB-IW17A	4/1/25/2024	44-27'	<0.024	<0.048	<0.048	<0.096	<0.1	<4.8	<9.8	<49	<9.8	<49	2,000
TB-IW17B	12/9/2024	14-27'	<0.022	<0.043	<0.043	<0.086	<0.1	<4.3	<9.2	<46	<9.2	<46	550
TB-IW18	4/1/2024	44-27'	<0.024	<0.049	<0.049	<0.097	<0.1	<4.9	<9.8	<49	<9.8	<49	2,000
TB-IW18	11/25/2024	14-27'	<0.023	<0.046	<0.046	<0.092	<0.1	<4.6	<9.4	<47	<9.4	<47	240
TB-IW19	11/1/2024	17-26'	<0.024	<0.047	<0.047	<0.095	<0.1	<4.7	<9.8	<49	<9.8	<49	210
TB-IW20	11/1/2024	17-26'	<0.025	<0.050	<0.050	<0.10	<0.1	<5.0	<9.4	<47	<9.4	<47	440
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW <50')			10	---	---	---	50	---	---	---	---	100	600
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			10³				50³					100³	600

Notes:

- Results exceeding the Table 1 Closure Criteria are presented in bold type and are highlighted yellow.
- Results exceeding the NMAC Restoration, Reclamation and re-vegetation chloride concentration requirements are presented in bold red type.
- Value derived from the State of New Mexico Energy, Minerals and Natural Resources Department document *Procedures for the Implementation of Digital C-141 and the release rule (19.15.29 NMAC)* dated December 1, 2023.

ATTACHMENT 1 – PHOTOGRAPHIC
DOCUMENTATION



PHOTOGRAPH NO. 1 – A general view of the Tank Battery Area during the initial excavation activities in July, 2024. The view is towards the northwest.



PHOTOGRAPH NO. 2 – A view of the Tank Battery Area during the soil removal operations. The view is towards the northeast.



PHOTOGRAPH NO. 3 – A view of the Tank Battery Area upon completion. The view is towards the northeast.



PHOTOGRAPH NO. 4 – An additional view of the Tank Battery Area upon completion in 2024. The view is towards the southeast.

ATTACHMENT 2 – LABORATORY ANALYTICAL RESULTS



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 8/23/2024 4:03:59 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-9936-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
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(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-9936-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9936-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-9936-1

Job ID: 885-9936-1

Eurofins Albuquerque

Job Narrative 885-9936-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/15/2024 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.7°C.

Gasoline Range Organics

Method 8015D_GRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-10378 and analytical batch 885-10519 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-10594 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples with low surrogate will be re-ran. The following samples are associated TB-W12 (885-9936-18), TB-W13 (885-9936-19), TB-W14 (885-9936-20), TB-W15 (885-9936-21), TB-W16 (885-9936-22), TB-W17 (885-9936-23), TB-B23 (885-9936-24), TB-B24 (885-9936-25), TB-B25 (885-9936-26), TB-B20 (885-9936-28), TB-B10 (885-9936-29), (CCV 885-10594/14), (CCV 885-10594/26), (CCV 885-10594/38), (885-9936-A-29-C MS) and (885-9936-A-29-D MSD).

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-10666 recovered outside acceptance criteria, low biased, for Di-n-octyl phthalate (Surr). Samples with low surrogate will be re-extracted. The following samples are associated TB-B24 (885-9936-25), TB-B25 (885-9936-26) and (CCV 885-10666/18).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

Method 300_OF_28D_PREC: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-10554 and analytical batch 885-10575 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B41

Lab Sample ID: 885-9936-1

Date Collected: 08/13/24 12:32

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 14:46	08/19/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			08/15/24 14:46	08/19/24 12:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 12:36	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 12:36	1
Toluene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 12:36	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 14:46	08/19/24 12:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/15/24 14:46	08/19/24 12:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 07:17	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 07:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			08/19/24 13:12	08/20/24 07:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		08/19/24 15:11	08/19/24 21:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B42

Lab Sample ID: 885-9936-2

Date Collected: 08/13/24 12:34

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						08/15/24 14:46	08/19/24 13:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 13:54	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 13:54	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 13:54	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 13:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						08/15/24 14:46	08/19/24 13:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/19/24 13:12	08/20/24 07:41	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 13:12	08/20/24 07:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			08/19/24 13:12	08/20/24 07:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		60	mg/Kg		08/19/24 15:11	08/19/24 21:19	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B43

Lab Sample ID: 885-9936-3

Date Collected: 08/13/24 12:36

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		08/15/24 14:46	08/19/24 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			08/15/24 14:46	08/19/24 15:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 14:46	08/19/24 15:00	1
Ethylbenzene	ND		0.047	mg/Kg		08/15/24 14:46	08/19/24 15:00	1
Toluene	ND		0.047	mg/Kg		08/15/24 14:46	08/19/24 15:00	1
Xylenes, Total	ND		0.093	mg/Kg		08/15/24 14:46	08/19/24 15:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/15/24 14:46	08/19/24 15:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	24		9.9	mg/Kg		08/19/24 13:12	08/20/24 08:29	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 13:12	08/20/24 08:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			08/19/24 13:12	08/20/24 08:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		08/19/24 15:11	08/19/24 21:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B44

Lab Sample ID: 885-9936-4

Date Collected: 08/13/24 12:40

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 15:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			08/15/24 14:46	08/19/24 15:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 15:21	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 15:21	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 15:21	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 15:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			08/15/24 14:46	08/19/24 15:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/19/24 13:12	08/20/24 08:53	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 13:12	08/20/24 08:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/19/24 13:12	08/20/24 08:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		08/19/24 16:17	08/19/24 22:08	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B46

Lab Sample ID: 885-9936-5

Date Collected: 08/13/24 12:14

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			08/15/24 14:46	08/19/24 15:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 15:43	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 15:43	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 15:43	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			08/15/24 14:46	08/19/24 15:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 13:12	08/20/24 09:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/19/24 13:12	08/20/24 09:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			08/19/24 13:12	08/20/24 09:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		60	mg/Kg		08/19/24 16:17	08/19/24 22:45	20

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B5

Lab Sample ID: 885-9936-6

Date Collected: 08/13/24 12:12

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 14:46	08/19/24 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			08/15/24 14:46	08/19/24 16:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 16:05	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 16:05	1
Toluene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 16:05	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 14:46	08/19/24 16:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			08/15/24 14:46	08/19/24 16:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 09:41	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 09:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/19/24 13:12	08/20/24 09:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		08/19/24 16:17	08/19/24 22:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W1

Lab Sample ID: 885-9936-7

Date Collected: 08/13/24 11:30

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			08/15/24 14:46	08/19/24 16:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 16:27	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 16:27	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 16:27	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 16:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			08/15/24 14:46	08/19/24 16:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 10:05	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 10:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			08/19/24 13:12	08/20/24 10:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		08/19/24 16:17	08/19/24 23:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W2

Lab Sample ID: 885-9936-8

Date Collected: 08/13/24 11:32

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		35 - 166			08/15/24 14:46	08/19/24 16:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 16:49	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 16:49	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 16:49	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 16:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			08/15/24 14:46	08/19/24 16:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		08/19/24 13:12	08/20/24 10:29	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		08/19/24 13:12	08/20/24 10:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/19/24 13:12	08/20/24 10:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		08/19/24 16:17	08/19/24 23:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W3

Lab Sample ID: 885-9936-9

Date Collected: 08/13/24 11:34

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		35 - 166			08/15/24 14:46	08/19/24 17:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 17:11	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 17:11	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 17:11	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 14:46	08/19/24 17:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			08/15/24 14:46	08/19/24 17:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/19/24 13:12	08/20/24 10:53	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 10:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			08/19/24 13:12	08/20/24 10:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		08/19/24 16:17	08/19/24 23:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W4

Lab Sample ID: 885-9936-10

Date Collected: 08/13/24 11:36

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		35 - 166			08/15/24 14:46	08/19/24 17:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 17:33	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 17:33	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 17:33	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 14:46	08/19/24 17:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/15/24 14:46	08/19/24 17:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	44		9.6	mg/Kg		08/19/24 15:30	08/20/24 14:32	1
Motor Oil Range Organics [C28-C40]	60		48	mg/Kg		08/19/24 15:30	08/20/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			08/19/24 15:30	08/20/24 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		08/20/24 10:36	08/20/24 18:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W5

Lab Sample ID: 885-9936-11

Date Collected: 08/13/24 11:38

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			08/15/24 14:46	08/19/24 18:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 18:17	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 18:17	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 18:17	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 14:46	08/19/24 18:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/15/24 14:46	08/19/24 18:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/19/24 15:30	08/20/24 14:45	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/19/24 15:30	08/20/24 14:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			08/19/24 15:30	08/20/24 14:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		60	mg/Kg		08/20/24 10:36	08/20/24 19:08	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W6

Lab Sample ID: 885-9936-12

Date Collected: 08/13/24 11:40

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			08/15/24 14:46	08/19/24 18:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 18:39	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 18:39	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 18:39	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 18:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			08/15/24 14:46	08/19/24 18:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	45		9.1	mg/Kg		08/19/24 15:30	08/20/24 14:59	1
Motor Oil Range Organics [C28-C40]	56		45	mg/Kg		08/19/24 15:30	08/20/24 14:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	124		62 - 134			08/19/24 15:30	08/20/24 14:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		08/20/24 10:36	08/20/24 20:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W7

Lab Sample ID: 885-9936-13

Date Collected: 08/13/24 11:42

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/15/24 14:46	08/19/24 19:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 19:01	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 19:01	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 19:01	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 14:46	08/19/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			08/15/24 14:46	08/19/24 19:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 15:30	08/20/24 15:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/19/24 15:30	08/20/24 15:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			08/19/24 15:30	08/20/24 15:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		08/20/24 10:36	08/20/24 21:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W8

Lab Sample ID: 885-9936-14

Date Collected: 08/13/24 11:46

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 14:46	08/19/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			08/15/24 14:46	08/19/24 19:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 14:46	08/19/24 19:23	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 19:23	1
Toluene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 19:23	1
Xylenes, Total	ND		0.093	mg/Kg		08/15/24 14:46	08/19/24 19:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 14:46	08/19/24 19:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	98		8.7	mg/Kg		08/19/24 15:30	08/20/24 18:52	1
Motor Oil Range Organics [C28-C40]	120		43	mg/Kg		08/19/24 15:30	08/20/24 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			08/19/24 15:30	08/20/24 18:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		08/20/24 10:36	08/20/24 21:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W9

Lab Sample ID: 885-9936-15

Date Collected: 08/13/24 11:48

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 14:46	08/19/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/15/24 14:46	08/19/24 19:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 14:46	08/19/24 19:45	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 19:45	1
Toluene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 19:45	1
Xylenes, Total	ND		0.092	mg/Kg		08/15/24 14:46	08/19/24 19:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 14:46	08/19/24 19:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 15:30	08/20/24 15:26	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 15:30	08/20/24 15:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			08/19/24 15:30	08/20/24 15:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		60	mg/Kg		08/20/24 10:36	08/20/24 21:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W10

Lab Sample ID: 885-9936-16

Date Collected: 08/13/24 11:54

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 14:46	08/19/24 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			08/15/24 14:46	08/19/24 20:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 14:46	08/19/24 20:07	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 20:07	1
Toluene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 20:07	1
Xylenes, Total	ND		0.092	mg/Kg		08/15/24 14:46	08/19/24 20:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			08/15/24 14:46	08/19/24 20:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		08/19/24 15:30	08/20/24 15:40	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		08/19/24 15:30	08/20/24 15:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			08/19/24 15:30	08/20/24 15:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		60	mg/Kg		08/20/24 10:36	08/20/24 21:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W11

Lab Sample ID: 885-9936-17

Date Collected: 08/13/24 11:56

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			08/15/24 14:46	08/19/24 20:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 20:28	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 20:28	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 20:28	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 14:46	08/19/24 20:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			08/15/24 14:46	08/19/24 20:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		08/21/24 12:41	08/21/24 18:44	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/21/24 12:41	08/21/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			08/21/24 12:41	08/21/24 18:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97		60	mg/Kg		08/20/24 10:36	08/20/24 22:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W12

Lab Sample ID: 885-9936-18

Date Collected: 08/13/24 12:00

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 14:46	08/19/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			08/15/24 14:46	08/19/24 20:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 20:50	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 20:50	1
Toluene	ND		0.049	mg/Kg		08/15/24 14:46	08/19/24 20:50	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 14:46	08/19/24 20:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 14:46	08/19/24 20:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/19/24 15:30	08/21/24 15:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/21/24 15:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			08/19/24 15:30	08/21/24 15:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	93		60	mg/Kg		08/20/24 10:36	08/20/24 22:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W13

Lab Sample ID: 885-9936-19

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 14:46	08/19/24 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		35 - 166			08/15/24 14:46	08/19/24 21:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 14:46	08/19/24 21:12	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 21:12	1
Toluene	ND		0.046	mg/Kg		08/15/24 14:46	08/19/24 21:12	1
Xylenes, Total	ND		0.093	mg/Kg		08/15/24 14:46	08/19/24 21:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/15/24 14:46	08/19/24 21:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 15:30	08/20/24 16:34	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/20/24 16:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			08/19/24 15:30	08/20/24 16:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		60	mg/Kg		08/20/24 10:36	08/20/24 23:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W14

Lab Sample ID: 885-9936-20

Date Collected: 08/13/24 12:04

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 14:46	08/19/24 21:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			08/15/24 14:46	08/19/24 21:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 14:46	08/19/24 21:34	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 21:34	1
Toluene	ND		0.048	mg/Kg		08/15/24 14:46	08/19/24 21:34	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/24 14:46	08/19/24 21:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 14:46	08/19/24 21:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/19/24 15:30	08/20/24 16:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/20/24 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	67		62 - 134			08/19/24 15:30	08/20/24 16:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		60	mg/Kg		08/20/24 10:36	08/20/24 23:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W15

Lab Sample ID: 885-9936-21

Date Collected: 08/13/24 12:06

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND	F1	4.8	mg/Kg		08/15/24 17:13	08/16/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		35 - 166			08/15/24 17:13	08/16/24 19:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 19:32	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 19:32	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 19:32	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/24 17:13	08/16/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			08/15/24 17:13	08/16/24 19:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		08/22/24 10:14	08/22/24 13:24	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/22/24 10:14	08/22/24 13:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			08/22/24 10:14	08/22/24 13:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81		60	mg/Kg		08/20/24 10:36	08/20/24 23:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W16

Lab Sample ID: 885-9936-22

Date Collected: 08/13/24 12:08

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 17:13	08/16/24 20:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			08/15/24 17:13	08/16/24 20:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/16/24 20:38	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 20:38	1
Toluene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 20:38	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 17:13	08/16/24 20:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/16/24 20:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/19/24 15:30	08/20/24 17:13	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/20/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	64		62 - 134			08/19/24 15:30	08/20/24 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		60	mg/Kg		08/20/24 10:36	08/20/24 23:56	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W17

Lab Sample ID: 885-9936-23

Date Collected: 08/13/24 12:10

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/16/24 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			08/15/24 17:13	08/16/24 21:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 21:43	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 21:43	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 21:43	1
Xylenes, Total	ND		0.096	mg/Kg		08/15/24 17:13	08/16/24 21:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/16/24 21:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 15:30	08/21/24 16:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 15:30	08/21/24 16:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	69		62 - 134			08/19/24 15:30	08/21/24 16:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		60	mg/Kg		08/20/24 10:36	08/21/24 00:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B23

Lab Sample ID: 885-9936-24

Date Collected: 08/13/24 12:24

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		08/15/24 17:13	08/16/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		35 - 166			08/15/24 17:13	08/16/24 22:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		08/15/24 17:13	08/16/24 22:05	1
Ethylbenzene	ND		0.046	mg/Kg		08/15/24 17:13	08/16/24 22:05	1
Toluene	ND		0.046	mg/Kg		08/15/24 17:13	08/16/24 22:05	1
Xylenes, Total	ND		0.092	mg/Kg		08/15/24 17:13	08/16/24 22:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/16/24 22:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 15:30	08/21/24 16:26	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/19/24 15:30	08/21/24 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/19/24 15:30	08/21/24 16:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	780		60	mg/Kg		08/20/24 10:36	08/21/24 00:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B24

Lab Sample ID: 885-9936-25

Date Collected: 08/13/24 12:26

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/16/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/15/24 17:13	08/16/24 22:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 22:27	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 22:27	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 22:27	1
Xylenes, Total	ND		0.096	mg/Kg		08/15/24 17:13	08/16/24 22:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/15/24 17:13	08/16/24 22:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 15:30	08/21/24 17:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/21/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	65		62 - 134			08/19/24 15:30	08/21/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		08/20/24 10:36	08/21/24 00:41	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B25

Lab Sample ID: 885-9936-26

Date Collected: 08/13/24 12:30

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/16/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		35 - 166			08/15/24 17:13	08/16/24 22:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 22:49	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 22:49	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 22:49	1
Xylenes, Total	ND		0.095	mg/Kg		08/15/24 17:13	08/16/24 22:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 17:13	08/16/24 22:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		08/19/24 15:30	08/21/24 17:38	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		08/19/24 15:30	08/21/24 17:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			08/19/24 15:30	08/21/24 17:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		08/20/24 10:36	08/21/24 00:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B19

Lab Sample ID: 885-9936-27

Date Collected: 08/13/24 12:18

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		08/15/24 17:13	08/16/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			08/15/24 17:13	08/16/24 23:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 23:11	1
Ethylbenzene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 23:11	1
Toluene	ND		0.048	mg/Kg		08/15/24 17:13	08/16/24 23:11	1
Xylenes, Total	ND		0.097	mg/Kg		08/15/24 17:13	08/16/24 23:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			08/15/24 17:13	08/16/24 23:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	160		9.5	mg/Kg		08/19/24 15:30	08/20/24 17:13	1
Motor Oil Range Organics [C28-C40]	190		48	mg/Kg		08/19/24 15:30	08/20/24 17:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	112		62 - 134			08/19/24 15:30	08/20/24 17:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	520		60	mg/Kg		08/20/24 10:36	08/21/24 01:12	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B20

Lab Sample ID: 885-9936-28

Date Collected: 08/13/24 12:20

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 17:13	08/16/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		35 - 166			08/15/24 17:13	08/16/24 23:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		08/15/24 17:13	08/16/24 23:33	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 23:33	1
Toluene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 23:33	1
Xylenes, Total	ND		0.098	mg/Kg		08/15/24 17:13	08/16/24 23:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			08/15/24 17:13	08/16/24 23:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		08/19/24 15:30	08/20/24 18:22	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 15:30	08/20/24 18:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	66		62 - 134			08/19/24 15:30	08/20/24 18:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		08/20/24 10:36	08/21/24 01:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B10

Lab Sample ID: 885-9936-29

Date Collected: 08/13/24 12:16

Matrix: Solid

Date Received: 08/15/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		08/15/24 17:13	08/16/24 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			08/15/24 17:13	08/16/24 23:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/16/24 23:54	1
Ethylbenzene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 23:54	1
Toluene	ND		0.049	mg/Kg		08/15/24 17:13	08/16/24 23:54	1
Xylenes, Total	ND		0.099	mg/Kg		08/15/24 17:13	08/16/24 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			08/15/24 17:13	08/16/24 23:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		08/19/24 15:30	08/20/24 18:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		08/19/24 15:30	08/20/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			08/19/24 15:30	08/20/24 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		08/20/24 10:36	08/21/24 02:12	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-10365/1-A
Matrix: Solid
Analysis Batch: 10585

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10365

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 14:46	08/19/24 12:14	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		35 - 166			08/15/24 14:46	08/19/24 12:14	1

Lab Sample ID: LCS 885-10365/2-A
Matrix: Solid
Analysis Batch: 10585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10365

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	29.7		mg/Kg		119	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	229		35 - 166				

Lab Sample ID: 885-9936-1 MS
Matrix: Solid
Analysis Batch: 10585

Client Sample ID: TB-B41
Prep Type: Total/NA
Prep Batch: 10365

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	29.8		mg/Kg		119	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	229		35 - 166						

Lab Sample ID: 885-9936-1 MSD
Matrix: Solid
Analysis Batch: 10585

Client Sample ID: TB-B41
Prep Type: Total/NA
Prep Batch: 10365

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.8	26.2		mg/Kg		106	70 - 130	13	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	230		35 - 166								

Lab Sample ID: MB 885-10378/1-A
Matrix: Solid
Analysis Batch: 10519

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10378

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		08/15/24 17:13	08/16/24 19:10	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-10378/1-A
 Matrix: Solid
 Analysis Batch: 10519

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10378

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	102		35 - 166	08/15/24 17:13	08/16/24 19:10	1

Lab Sample ID: LCS 885-10378/2-A
 Matrix: Solid
 Analysis Batch: 10519

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	25.0	28.4		mg/Kg		114	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	224		35 - 166

Lab Sample ID: 885-9936-21 MS
 Matrix: Solid
 Analysis Batch: 10519

Client Sample ID: TB-W15
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	ND	F1	23.7	31.7	F1	mg/Kg		134	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	253		35 - 166

Lab Sample ID: 885-9936-21 MSD
 Matrix: Solid
 Analysis Batch: 10519

Client Sample ID: TB-W15
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
				Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	ND	F1	23.7	29.5		mg/Kg		125	70 - 130	7	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	234		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-10365/1-A
 Matrix: Solid
 Analysis Batch: 10587

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10365

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		08/15/24 14:46	08/19/24 12:14	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 12:14	1
Toluene	ND		0.050	mg/Kg		08/15/24 14:46	08/19/24 12:14	1
Xylenes, Total	ND		0.10	mg/Kg		08/15/24 14:46	08/19/24 12:14	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-10365/1-A
 Matrix: Solid
 Analysis Batch: 10587

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10365

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		48 - 145	08/15/24 14:46	08/19/24 12:14	1

Lab Sample ID: LCS 885-10365/3-A
 Matrix: Solid
 Analysis Batch: 10587

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10365

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.03		mg/Kg		103	70 - 130
Ethylbenzene	1.00	1.03		mg/Kg		103	70 - 130
Toluene	1.00	1.03		mg/Kg		103	70 - 130
m&p-Xylene	2.00	2.04		mg/Kg		102	70 - 130
o-Xylene	1.00	1.01		mg/Kg		101	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		48 - 145

Lab Sample ID: MB 885-10378/1-A
 Matrix: Solid
 Analysis Batch: 10522

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Ethylbenzene	ND		0.050	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Toluene	ND		0.050	mg/Kg		08/15/24 17:13	08/16/24 19:10	1
Xylenes, Total	ND		0.10	mg/Kg		08/15/24 17:13	08/16/24 19:10	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	103		48 - 145	08/15/24 17:13	08/16/24 19:10	1

Lab Sample ID: LCS 885-10378/3-A
 Matrix: Solid
 Analysis Batch: 10522

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10378

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.04		mg/Kg		104	70 - 130
Ethylbenzene	1.00	1.04		mg/Kg		104	70 - 130
Toluene	1.00	1.05		mg/Kg		105	70 - 130
m&p-Xylene	2.00	2.08		mg/Kg		104	70 - 130
o-Xylene	1.00	1.05		mg/Kg		105	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-9936-22 MS

Matrix: Solid

Analysis Batch: 10522

Client Sample ID: TB-W16

Prep Type: Total/NA

Prep Batch: 10378

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.995	1.06		mg/Kg		106		70 - 130	
Ethylbenzene	ND		0.995	1.09		mg/Kg		110		70 - 130	
Toluene	ND		0.995	1.07		mg/Kg		107		70 - 130	
m&p-Xylene	ND		1.99	2.15		mg/Kg		108		70 - 130	
o-Xylene	ND		0.995	1.08		mg/Kg		108		70 - 130	
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	103		48 - 145								

Lab Sample ID: 885-9936-22 MSD

Matrix: Solid

Analysis Batch: 10522

Client Sample ID: TB-W16

Prep Type: Total/NA

Prep Batch: 10378

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Benzene	ND		0.997	1.01		mg/Kg		102		70 - 130	4	20
Ethylbenzene	ND		0.997	1.04		mg/Kg		105		70 - 130	4	20
Toluene	ND		0.997	1.02		mg/Kg		102		70 - 130	4	20
m&p-Xylene	ND		1.99	2.07		mg/Kg		104		70 - 130	4	20
o-Xylene	ND		0.997	1.04		mg/Kg		104		70 - 130	4	20
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	101		48 - 145									

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-10517/1-A

Matrix: Solid

Analysis Batch: 10540

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10517

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 13:12	08/20/24 01:14	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 13:12	08/20/24 01:14	1
		MB	MB					
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac		
Di-n-octyl phthalate (Surr)	101		62 - 134	08/19/24 13:12	08/20/24 01:14	1		

Lab Sample ID: LCS 885-10517/2-A

Matrix: Solid

Analysis Batch: 10540

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10517

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Diesel Range Organics [C10-C28]	50.0	55.0		mg/Kg		110		60 - 135
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
Di-n-octyl phthalate (Surr)	92		62 - 134					

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-9936-9 MS

Matrix: Solid

Analysis Batch: 10540

Client Sample ID: TB-W3

Prep Type: Total/NA

Prep Batch: 10517

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		48.4	53.6		mg/Kg		111	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
Di-n-octyl phthalate (Surr)	89		62 - 134							

Lab Sample ID: 885-9936-9 MSD

Matrix: Solid

Analysis Batch: 10540

Client Sample ID: TB-W3

Prep Type: Total/NA

Prep Batch: 10517

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.8	55.0		mg/Kg		110	44 - 136	3	32
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
Di-n-octyl phthalate (Surr)	91		62 - 134								

Lab Sample ID: MB 885-10539/1-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 10539

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac	
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/19/24 15:30	08/20/24 14:05	1	
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/19/24 15:30	08/20/24 14:05	1	
Surrogate	%Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Di-n-octyl phthalate (Surr)	106		62 - 134	08/19/24 15:30	08/20/24 14:05	1			

Lab Sample ID: LCS 885-10539/2-A

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 10539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	49.7		mg/Kg		99	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	99		62 - 134				

Lab Sample ID: 885-9936-29 MS

Matrix: Solid

Analysis Batch: 10594

Client Sample ID: TB-B10

Prep Type: Total/NA

Prep Batch: 10539

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		47.2	49.1		mg/Kg		104	44 - 136

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-9936-29 MS
Matrix: Solid
Analysis Batch: 10594

Client Sample ID: TB-B10
Prep Type: Total/NA
Prep Batch: 10539

Surrogate	%Recovery	MS MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	72		62 - 134

Lab Sample ID: 885-9936-29 MSD
Matrix: Solid
Analysis Batch: 10594

Client Sample ID: TB-B10
Prep Type: Total/NA
Prep Batch: 10539

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		46.2	46.3		mg/Kg		100	44 - 136	6	32

Surrogate	%Recovery	MSD MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	64		62 - 134

Lab Sample ID: MB 885-10697/1-A
Matrix: Solid
Analysis Batch: 10682

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10697

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/21/24 12:41	08/21/24 18:21	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/21/24 12:41	08/21/24 18:21	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134	08/21/24 12:41	08/21/24 18:21	1

Lab Sample ID: LCS 885-10697/2-A
Matrix: Solid
Analysis Batch: 10682

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10697

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.1		mg/Kg		92	60 - 135

Surrogate	%Recovery	LCS LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Lab Sample ID: MB 885-10787/1-A
Matrix: Solid
Analysis Batch: 10765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 10787

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		08/22/24 10:14	08/22/24 13:02	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		08/22/24 10:14	08/22/24 13:02	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134	08/22/24 10:14	08/22/24 13:02	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 885-10787/2-A
 Matrix: Solid
 Analysis Batch: 10765

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10787

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	47.1		mg/Kg		94	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	96		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-10524/1-A
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10524

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/19/24 14:23	08/19/24 17:37	1

Lab Sample ID: LCS 885-10524/2-A
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	27.9		mg/Kg		93	90 - 110

Lab Sample ID: MB 885-10554/1-A
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 10554

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		08/19/24 16:17	08/19/24 17:12	1

Lab Sample ID: LCS 885-10554/2-A
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 10554

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.2		mg/Kg		94	90 - 110

Lab Sample ID: 885-9936-4 MS
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: TB-B44
 Prep Type: Total/NA
 Prep Batch: 10554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250		29.9	173	4	mg/Kg		-255	50 - 150

Lab Sample ID: 885-9936-4 MSD
 Matrix: Solid
 Analysis Batch: 10575

Client Sample ID: TB-B44
 Prep Type: Total/NA
 Prep Batch: 10554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250		30.0	181	4	mg/Kg		-227	50 - 150	5	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-10592/2-A
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 10592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.8		mg/Kg		103	90 - 110

Lab Sample ID: 885-9936-10 MS
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: TB-W4
Prep Type: Total/NA
Prep Batch: 10592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	190		29.9	209	4	mg/Kg		70	50 - 150

Lab Sample ID: 885-9936-10 MSD
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: TB-W4
Prep Type: Total/NA
Prep Batch: 10592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	190		29.9	215	4	mg/Kg		91	50 - 150	3	20

Lab Sample ID: 885-9936-11 MS
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: TB-W5
Prep Type: Total/NA
Prep Batch: 10592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	600		29.9	630	4	mg/Kg		105	50 - 150

Lab Sample ID: 885-9936-11 MSD
Matrix: Solid
Analysis Batch: 10616

Client Sample ID: TB-W5
Prep Type: Total/NA
Prep Batch: 10592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	600		30.1	635	4	mg/Kg		121	50 - 150	1	20

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

GC VOA

Prep Batch: 10365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	5030C	
885-9936-2	TB-B42	Total/NA	Solid	5030C	
885-9936-3	TB-B43	Total/NA	Solid	5030C	
885-9936-4	TB-B44	Total/NA	Solid	5030C	
885-9936-5	TB-B46	Total/NA	Solid	5030C	
885-9936-6	TB-B5	Total/NA	Solid	5030C	
885-9936-7	TB-W1	Total/NA	Solid	5030C	
885-9936-8	TB-W2	Total/NA	Solid	5030C	
885-9936-9	TB-W3	Total/NA	Solid	5030C	
885-9936-10	TB-W4	Total/NA	Solid	5030C	
885-9936-11	TB-W5	Total/NA	Solid	5030C	
885-9936-12	TB-W6	Total/NA	Solid	5030C	
885-9936-13	TB-W7	Total/NA	Solid	5030C	
885-9936-14	TB-W8	Total/NA	Solid	5030C	
885-9936-15	TB-W9	Total/NA	Solid	5030C	
885-9936-16	TB-W10	Total/NA	Solid	5030C	
885-9936-17	TB-W11	Total/NA	Solid	5030C	
885-9936-18	TB-W12	Total/NA	Solid	5030C	
885-9936-19	TB-W13	Total/NA	Solid	5030C	
885-9936-20	TB-W14	Total/NA	Solid	5030C	
MB 885-10365/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-10365/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-10365/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9936-1 MS	TB-B41	Total/NA	Solid	5030C	
885-9936-1 MSD	TB-B41	Total/NA	Solid	5030C	

Prep Batch: 10378

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-21	TB-W15	Total/NA	Solid	5030C	
885-9936-22	TB-W16	Total/NA	Solid	5030C	
885-9936-23	TB-W17	Total/NA	Solid	5030C	
885-9936-24	TB-B23	Total/NA	Solid	5030C	
885-9936-25	TB-B24	Total/NA	Solid	5030C	
885-9936-26	TB-B25	Total/NA	Solid	5030C	
885-9936-27	TB-B19	Total/NA	Solid	5030C	
885-9936-28	TB-B20	Total/NA	Solid	5030C	
885-9936-29	TB-B10	Total/NA	Solid	5030C	
MB 885-10378/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-10378/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-10378/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-9936-21 MS	TB-W15	Total/NA	Solid	5030C	
885-9936-21 MSD	TB-W15	Total/NA	Solid	5030C	
885-9936-22 MS	TB-W16	Total/NA	Solid	5030C	
885-9936-22 MSD	TB-W16	Total/NA	Solid	5030C	

Analysis Batch: 10519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-21	TB-W15	Total/NA	Solid	8015M/D	10378
885-9936-22	TB-W16	Total/NA	Solid	8015M/D	10378
885-9936-23	TB-W17	Total/NA	Solid	8015M/D	10378
885-9936-24	TB-B23	Total/NA	Solid	8015M/D	10378

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9936-1

GC VOA (Continued)

Analysis Batch: 10519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-25	TB-B24	Total/NA	Solid	8015M/D	10378
885-9936-26	TB-B25	Total/NA	Solid	8015M/D	10378
885-9936-27	TB-B19	Total/NA	Solid	8015M/D	10378
885-9936-28	TB-B20	Total/NA	Solid	8015M/D	10378
885-9936-29	TB-B10	Total/NA	Solid	8015M/D	10378
MB 885-10378/1-A	Method Blank	Total/NA	Solid	8015M/D	10378
LCS 885-10378/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10378
885-9936-21 MS	TB-W15	Total/NA	Solid	8015M/D	10378
885-9936-21 MSD	TB-W15	Total/NA	Solid	8015M/D	10378

Analysis Batch: 10522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-21	TB-W15	Total/NA	Solid	8021B	10378
885-9936-22	TB-W16	Total/NA	Solid	8021B	10378
885-9936-23	TB-W17	Total/NA	Solid	8021B	10378
885-9936-24	TB-B23	Total/NA	Solid	8021B	10378
885-9936-25	TB-B24	Total/NA	Solid	8021B	10378
885-9936-26	TB-B25	Total/NA	Solid	8021B	10378
885-9936-27	TB-B19	Total/NA	Solid	8021B	10378
885-9936-28	TB-B20	Total/NA	Solid	8021B	10378
885-9936-29	TB-B10	Total/NA	Solid	8021B	10378
MB 885-10378/1-A	Method Blank	Total/NA	Solid	8021B	10378
LCS 885-10378/3-A	Lab Control Sample	Total/NA	Solid	8021B	10378
885-9936-22 MS	TB-W16	Total/NA	Solid	8021B	10378
885-9936-22 MSD	TB-W16	Total/NA	Solid	8021B	10378

Analysis Batch: 10585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	8015M/D	10365
885-9936-2	TB-B42	Total/NA	Solid	8015M/D	10365
885-9936-3	TB-B43	Total/NA	Solid	8015M/D	10365
885-9936-4	TB-B44	Total/NA	Solid	8015M/D	10365
885-9936-5	TB-B46	Total/NA	Solid	8015M/D	10365
885-9936-6	TB-B5	Total/NA	Solid	8015M/D	10365
885-9936-7	TB-W1	Total/NA	Solid	8015M/D	10365
885-9936-8	TB-W2	Total/NA	Solid	8015M/D	10365
885-9936-9	TB-W3	Total/NA	Solid	8015M/D	10365
885-9936-10	TB-W4	Total/NA	Solid	8015M/D	10365
885-9936-11	TB-W5	Total/NA	Solid	8015M/D	10365
885-9936-12	TB-W6	Total/NA	Solid	8015M/D	10365
885-9936-13	TB-W7	Total/NA	Solid	8015M/D	10365
885-9936-14	TB-W8	Total/NA	Solid	8015M/D	10365
885-9936-15	TB-W9	Total/NA	Solid	8015M/D	10365
885-9936-16	TB-W10	Total/NA	Solid	8015M/D	10365
885-9936-17	TB-W11	Total/NA	Solid	8015M/D	10365
885-9936-18	TB-W12	Total/NA	Solid	8015M/D	10365
885-9936-19	TB-W13	Total/NA	Solid	8015M/D	10365
885-9936-20	TB-W14	Total/NA	Solid	8015M/D	10365
MB 885-10365/1-A	Method Blank	Total/NA	Solid	8015M/D	10365
LCS 885-10365/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10365
885-9936-1 MS	TB-B41	Total/NA	Solid	8015M/D	10365

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

GC VOA (Continued)

Analysis Batch: 10585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1 MSD	TB-B41	Total/NA	Solid	8015M/D	10365

Analysis Batch: 10587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	8021B	10365
885-9936-2	TB-B42	Total/NA	Solid	8021B	10365
885-9936-3	TB-B43	Total/NA	Solid	8021B	10365
885-9936-4	TB-B44	Total/NA	Solid	8021B	10365
885-9936-5	TB-B46	Total/NA	Solid	8021B	10365
885-9936-6	TB-B5	Total/NA	Solid	8021B	10365
885-9936-7	TB-W1	Total/NA	Solid	8021B	10365
885-9936-8	TB-W2	Total/NA	Solid	8021B	10365
885-9936-9	TB-W3	Total/NA	Solid	8021B	10365
885-9936-10	TB-W4	Total/NA	Solid	8021B	10365
885-9936-11	TB-W5	Total/NA	Solid	8021B	10365
885-9936-12	TB-W6	Total/NA	Solid	8021B	10365
885-9936-13	TB-W7	Total/NA	Solid	8021B	10365
885-9936-14	TB-W8	Total/NA	Solid	8021B	10365
885-9936-15	TB-W9	Total/NA	Solid	8021B	10365
885-9936-16	TB-W10	Total/NA	Solid	8021B	10365
885-9936-17	TB-W11	Total/NA	Solid	8021B	10365
885-9936-18	TB-W12	Total/NA	Solid	8021B	10365
885-9936-19	TB-W13	Total/NA	Solid	8021B	10365
885-9936-20	TB-W14	Total/NA	Solid	8021B	10365
MB 885-10365/1-A	Method Blank	Total/NA	Solid	8021B	10365
LCS 885-10365/3-A	Lab Control Sample	Total/NA	Solid	8021B	10365

GC Semi VOA

Prep Batch: 10517

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	SHAKE	
885-9936-2	TB-B42	Total/NA	Solid	SHAKE	
885-9936-3	TB-B43	Total/NA	Solid	SHAKE	
885-9936-4	TB-B44	Total/NA	Solid	SHAKE	
885-9936-5	TB-B46	Total/NA	Solid	SHAKE	
885-9936-6	TB-B5	Total/NA	Solid	SHAKE	
885-9936-7	TB-W1	Total/NA	Solid	SHAKE	
885-9936-8	TB-W2	Total/NA	Solid	SHAKE	
885-9936-9	TB-W3	Total/NA	Solid	SHAKE	
MB 885-10517/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10517/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-9936-9 MS	TB-W3	Total/NA	Solid	SHAKE	
885-9936-9 MSD	TB-W3	Total/NA	Solid	SHAKE	

Prep Batch: 10539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-10	TB-W4	Total/NA	Solid	SHAKE	
885-9936-11	TB-W5	Total/NA	Solid	SHAKE	
885-9936-12	TB-W6	Total/NA	Solid	SHAKE	
885-9936-13	TB-W7	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

GC Semi VOA (Continued)

Prep Batch: 10539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-14	TB-W8	Total/NA	Solid	SHAKE	
885-9936-15	TB-W9	Total/NA	Solid	SHAKE	
885-9936-16	TB-W10	Total/NA	Solid	SHAKE	
885-9936-18	TB-W12	Total/NA	Solid	SHAKE	
885-9936-19	TB-W13	Total/NA	Solid	SHAKE	
885-9936-20	TB-W14	Total/NA	Solid	SHAKE	
885-9936-22	TB-W16	Total/NA	Solid	SHAKE	
885-9936-23	TB-W17	Total/NA	Solid	SHAKE	
885-9936-24	TB-B23	Total/NA	Solid	SHAKE	
885-9936-25	TB-B24	Total/NA	Solid	SHAKE	
885-9936-26	TB-B25	Total/NA	Solid	SHAKE	
885-9936-27	TB-B19	Total/NA	Solid	SHAKE	
885-9936-28	TB-B20	Total/NA	Solid	SHAKE	
885-9936-29	TB-B10	Total/NA	Solid	SHAKE	
MB 885-10539/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10539/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-9936-29 MS	TB-B10	Total/NA	Solid	SHAKE	
885-9936-29 MSD	TB-B10	Total/NA	Solid	SHAKE	

Analysis Batch: 10540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	8015M/D	10517
885-9936-2	TB-B42	Total/NA	Solid	8015M/D	10517
885-9936-3	TB-B43	Total/NA	Solid	8015M/D	10517
885-9936-4	TB-B44	Total/NA	Solid	8015M/D	10517
885-9936-5	TB-B46	Total/NA	Solid	8015M/D	10517
885-9936-6	TB-B5	Total/NA	Solid	8015M/D	10517
885-9936-7	TB-W1	Total/NA	Solid	8015M/D	10517
885-9936-8	TB-W2	Total/NA	Solid	8015M/D	10517
885-9936-9	TB-W3	Total/NA	Solid	8015M/D	10517
MB 885-10517/1-A	Method Blank	Total/NA	Solid	8015M/D	10517
LCS 885-10517/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10517
885-9936-9 MS	TB-W3	Total/NA	Solid	8015M/D	10517
885-9936-9 MSD	TB-W3	Total/NA	Solid	8015M/D	10517

Analysis Batch: 10594

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-10	TB-W4	Total/NA	Solid	8015M/D	10539
885-9936-11	TB-W5	Total/NA	Solid	8015M/D	10539
885-9936-12	TB-W6	Total/NA	Solid	8015M/D	10539
885-9936-13	TB-W7	Total/NA	Solid	8015M/D	10539
885-9936-15	TB-W9	Total/NA	Solid	8015M/D	10539
885-9936-16	TB-W10	Total/NA	Solid	8015M/D	10539
885-9936-19	TB-W13	Total/NA	Solid	8015M/D	10539
885-9936-20	TB-W14	Total/NA	Solid	8015M/D	10539
885-9936-22	TB-W16	Total/NA	Solid	8015M/D	10539
885-9936-28	TB-B20	Total/NA	Solid	8015M/D	10539
885-9936-29	TB-B10	Total/NA	Solid	8015M/D	10539
MB 885-10539/1-A	Method Blank	Total/NA	Solid	8015M/D	10539
LCS 885-10539/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10539
885-9936-29 MS	TB-B10	Total/NA	Solid	8015M/D	10539

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9936-1

GC Semi VOA (Continued)

Analysis Batch: 10594 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-29 MSD	TB-B10	Total/NA	Solid	8015M/D	10539

Analysis Batch: 10596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-14	TB-W8	Total/NA	Solid	8015M/D	10539
885-9936-27	TB-B19	Total/NA	Solid	8015M/D	10539

Analysis Batch: 10666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-18	TB-W12	Total/NA	Solid	8015M/D	10539
885-9936-23	TB-W17	Total/NA	Solid	8015M/D	10539
885-9936-24	TB-B23	Total/NA	Solid	8015M/D	10539
885-9936-25	TB-B24	Total/NA	Solid	8015M/D	10539
885-9936-26	TB-B25	Total/NA	Solid	8015M/D	10539

Analysis Batch: 10682

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-17	TB-W11	Total/NA	Solid	8015M/D	10697
MB 885-10697/1-A	Method Blank	Total/NA	Solid	8015M/D	10697
LCS 885-10697/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10697

Prep Batch: 10697

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-17	TB-W11	Total/NA	Solid	SHAKE	
MB 885-10697/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10697/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 10765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-21	TB-W15	Total/NA	Solid	8015M/D	10787
MB 885-10787/1-A	Method Blank	Total/NA	Solid	8015M/D	10787
LCS 885-10787/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	10787

Prep Batch: 10787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-21	TB-W15	Total/NA	Solid	SHAKE	
MB 885-10787/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-10787/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 10524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	300_Prep	
885-9936-2	TB-B42	Total/NA	Solid	300_Prep	
885-9936-3	TB-B43	Total/NA	Solid	300_Prep	
MB 885-10524/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-10524/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9936-1

HPLC/IC

Prep Batch: 10554

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-4	TB-B44	Total/NA	Solid	300_Prep	
885-9936-5	TB-B46	Total/NA	Solid	300_Prep	
885-9936-6	TB-B5	Total/NA	Solid	300_Prep	
885-9936-7	TB-W1	Total/NA	Solid	300_Prep	
885-9936-8	TB-W2	Total/NA	Solid	300_Prep	
885-9936-9	TB-W3	Total/NA	Solid	300_Prep	
MB 885-10554/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-10554/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9936-4 MS	TB-B44	Total/NA	Solid	300_Prep	
885-9936-4 MSD	TB-B44	Total/NA	Solid	300_Prep	

Analysis Batch: 10575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-1	TB-B41	Total/NA	Solid	300.0	10524
885-9936-2	TB-B42	Total/NA	Solid	300.0	10524
885-9936-3	TB-B43	Total/NA	Solid	300.0	10524
885-9936-4	TB-B44	Total/NA	Solid	300.0	10554
885-9936-5	TB-B46	Total/NA	Solid	300.0	10554
885-9936-6	TB-B5	Total/NA	Solid	300.0	10554
885-9936-7	TB-W1	Total/NA	Solid	300.0	10554
885-9936-8	TB-W2	Total/NA	Solid	300.0	10554
885-9936-9	TB-W3	Total/NA	Solid	300.0	10554
MB 885-10524/1-A	Method Blank	Total/NA	Solid	300.0	10524
MB 885-10554/1-A	Method Blank	Total/NA	Solid	300.0	10554
LCS 885-10524/2-A	Lab Control Sample	Total/NA	Solid	300.0	10524
LCS 885-10554/2-A	Lab Control Sample	Total/NA	Solid	300.0	10554
885-9936-4 MS	TB-B44	Total/NA	Solid	300.0	10554
885-9936-4 MSD	TB-B44	Total/NA	Solid	300.0	10554

Prep Batch: 10592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-10	TB-W4	Total/NA	Solid	300_Prep	
885-9936-11	TB-W5	Total/NA	Solid	300_Prep	
885-9936-12	TB-W6	Total/NA	Solid	300_Prep	
885-9936-13	TB-W7	Total/NA	Solid	300_Prep	
885-9936-14	TB-W8	Total/NA	Solid	300_Prep	
885-9936-15	TB-W9	Total/NA	Solid	300_Prep	
885-9936-16	TB-W10	Total/NA	Solid	300_Prep	
885-9936-17	TB-W11	Total/NA	Solid	300_Prep	
885-9936-18	TB-W12	Total/NA	Solid	300_Prep	
885-9936-19	TB-W13	Total/NA	Solid	300_Prep	
885-9936-20	TB-W14	Total/NA	Solid	300_Prep	
885-9936-21	TB-W15	Total/NA	Solid	300_Prep	
885-9936-22	TB-W16	Total/NA	Solid	300_Prep	
885-9936-23	TB-W17	Total/NA	Solid	300_Prep	
885-9936-24	TB-B23	Total/NA	Solid	300_Prep	
885-9936-25	TB-B24	Total/NA	Solid	300_Prep	
885-9936-26	TB-B25	Total/NA	Solid	300_Prep	
885-9936-27	TB-B19	Total/NA	Solid	300_Prep	
885-9936-28	TB-B20	Total/NA	Solid	300_Prep	
885-9936-29	TB-B10	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

HPLC/IC (Continued)

Prep Batch: 10592 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-10592/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-9936-10 MS	TB-W4	Total/NA	Solid	300_Prep	
885-9936-10 MSD	TB-W4	Total/NA	Solid	300_Prep	
885-9936-11 MS	TB-W5	Total/NA	Solid	300_Prep	
885-9936-11 MSD	TB-W5	Total/NA	Solid	300_Prep	

Analysis Batch: 10616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-9936-10	TB-W4	Total/NA	Solid	300.0	10592
885-9936-11	TB-W5	Total/NA	Solid	300.0	10592
885-9936-12	TB-W6	Total/NA	Solid	300.0	10592
885-9936-13	TB-W7	Total/NA	Solid	300.0	10592
885-9936-14	TB-W8	Total/NA	Solid	300.0	10592
885-9936-15	TB-W9	Total/NA	Solid	300.0	10592
885-9936-16	TB-W10	Total/NA	Solid	300.0	10592
885-9936-17	TB-W11	Total/NA	Solid	300.0	10592
885-9936-18	TB-W12	Total/NA	Solid	300.0	10592
885-9936-19	TB-W13	Total/NA	Solid	300.0	10592
885-9936-20	TB-W14	Total/NA	Solid	300.0	10592
885-9936-21	TB-W15	Total/NA	Solid	300.0	10592
885-9936-22	TB-W16	Total/NA	Solid	300.0	10592
885-9936-23	TB-W17	Total/NA	Solid	300.0	10592
885-9936-24	TB-B23	Total/NA	Solid	300.0	10592
885-9936-25	TB-B24	Total/NA	Solid	300.0	10592
885-9936-26	TB-B25	Total/NA	Solid	300.0	10592
885-9936-27	TB-B19	Total/NA	Solid	300.0	10592
885-9936-28	TB-B20	Total/NA	Solid	300.0	10592
885-9936-29	TB-B10	Total/NA	Solid	300.0	10592
LCS 885-10592/2-A	Lab Control Sample	Total/NA	Solid	300.0	10592
885-9936-10 MS	TB-W4	Total/NA	Solid	300.0	10592
885-9936-10 MSD	TB-W4	Total/NA	Solid	300.0	10592
885-9936-11 MS	TB-W5	Total/NA	Solid	300.0	10592
885-9936-11 MSD	TB-W5	Total/NA	Solid	300.0	10592

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B41

Lab Sample ID: 885-9936-1

Date Collected: 08/13/24 12:32

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 12:36
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 12:36
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 07:17
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 21:07

Client Sample ID: TB-B42

Lab Sample ID: 885-9936-2

Date Collected: 08/13/24 12:34

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 13:54
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 13:54
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 07:41
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 21:19

Client Sample ID: TB-B43

Lab Sample ID: 885-9936-3

Date Collected: 08/13/24 12:36

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 15:00
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 15:00
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 08:29
Total/NA	Prep	300_Prep			10524	EH	EET ALB	08/19/24 15:11
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 21:31

Client Sample ID: TB-B44

Lab Sample ID: 885-9936-4

Date Collected: 08/13/24 12:40

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 15:21

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B44

Lab Sample ID: 885-9936-4

Date Collected: 08/13/24 12:40

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 15:21
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 08:53
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 22:08

Client Sample ID: TB-B46

Lab Sample ID: 885-9936-5

Date Collected: 08/13/24 12:14

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 15:43
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 15:43
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 09:17
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 22:45

Client Sample ID: TB-B5

Lab Sample ID: 885-9936-6

Date Collected: 08/13/24 12:12

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 16:05
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 16:05
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 09:41
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 22:58

Client Sample ID: TB-W1

Lab Sample ID: 885-9936-7

Date Collected: 08/13/24 11:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 16:27
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 16:27

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W1

Lab Sample ID: 885-9936-7

Date Collected: 08/13/24 11:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 10:05
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 23:10

Client Sample ID: TB-W2

Lab Sample ID: 885-9936-8

Date Collected: 08/13/24 11:32

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 16:49
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 16:49
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 10:29
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 23:23

Client Sample ID: TB-W3

Lab Sample ID: 885-9936-9

Date Collected: 08/13/24 11:34

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 17:11
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 17:11
Total/NA	Prep	SHAKE			10517	KR	EET ALB	08/19/24 13:12
Total/NA	Analysis	8015M/D		1	10540	KR	EET ALB	08/20/24 10:53
Total/NA	Prep	300_Prep			10554	EH	EET ALB	08/19/24 16:17
Total/NA	Analysis	300.0		20	10575	MA	EET ALB	08/19/24 23:35

Client Sample ID: TB-W4

Lab Sample ID: 885-9936-10

Date Collected: 08/13/24 11:36

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 17:33
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 17:33
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 14:32

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W4

Lab Sample ID: 885-9936-10

Date Collected: 08/13/24 11:36

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 18:53

Client Sample ID: TB-W5

Lab Sample ID: 885-9936-11

Date Collected: 08/13/24 11:38

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 18:17
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 18:17
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 14:45
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 19:08

Client Sample ID: TB-W6

Lab Sample ID: 885-9936-12

Date Collected: 08/13/24 11:40

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 18:39
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 18:39
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 14:59
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 20:54

Client Sample ID: TB-W7

Lab Sample ID: 885-9936-13

Date Collected: 08/13/24 11:42

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 19:01
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 19:01
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 15:12
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 21:09

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W8

Lab Sample ID: 885-9936-14

Date Collected: 08/13/24 11:46

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 19:23
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 19:23
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/20/24 18:52
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 21:24

Client Sample ID: TB-W9

Lab Sample ID: 885-9936-15

Date Collected: 08/13/24 11:48

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 19:45
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 19:45
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 15:26
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 21:39

Client Sample ID: TB-W10

Lab Sample ID: 885-9936-16

Date Collected: 08/13/24 11:54

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 20:07
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 20:07
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 15:40
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 21:55

Client Sample ID: TB-W11

Lab Sample ID: 885-9936-17

Date Collected: 08/13/24 11:56

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 20:28

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W11

Lab Sample ID: 885-9936-17

Date Collected: 08/13/24 11:56

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 20:28
Total/NA	Prep	SHAKE			10697	EM	EET ALB	08/21/24 12:41
Total/NA	Analysis	8015M/D		1	10682	EM	EET ALB	08/21/24 18:44
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 22:10

Client Sample ID: TB-W12

Lab Sample ID: 885-9936-18

Date Collected: 08/13/24 12:00

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 20:50
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 20:50
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10666	KR	EET ALB	08/21/24 15:14
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 22:55

Client Sample ID: TB-W13

Lab Sample ID: 885-9936-19

Date Collected: 08/13/24 12:02

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 21:12
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 21:12
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 16:34
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 23:10

Client Sample ID: TB-W14

Lab Sample ID: 885-9936-20

Date Collected: 08/13/24 12:04

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8015M/D		1	10585	AT	EET ALB	08/19/24 21:34
Total/NA	Prep	5030C			10365	JR	EET ALB	08/15/24 14:46
Total/NA	Analysis	8021B		1	10587	AT	EET ALB	08/19/24 21:34

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W14

Lab Sample ID: 885-9936-20

Date Collected: 08/13/24 12:04

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 16:47
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 23:26

Client Sample ID: TB-W15

Lab Sample ID: 885-9936-21

Date Collected: 08/13/24 12:06

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 19:32
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 19:32
Total/NA	Prep	SHAKE			10787	EM	EET ALB	08/22/24 10:14
Total/NA	Analysis	8015M/D		1	10765	EM	EET ALB	08/22/24 13:24
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 23:41

Client Sample ID: TB-W16

Lab Sample ID: 885-9936-22

Date Collected: 08/13/24 12:08

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 20:38
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 20:38
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 17:13
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/20/24 23:56

Client Sample ID: TB-W17

Lab Sample ID: 885-9936-23

Date Collected: 08/13/24 12:10

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 21:43
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 21:43
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10666	KR	EET ALB	08/21/24 16:02

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-W17

Lab Sample ID: 885-9936-23

Date Collected: 08/13/24 12:10

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 00:11

Client Sample ID: TB-B23

Lab Sample ID: 885-9936-24

Date Collected: 08/13/24 12:24

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 22:05
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 22:05
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10666	KR	EET ALB	08/21/24 16:26
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 00:26

Client Sample ID: TB-B24

Lab Sample ID: 885-9936-25

Date Collected: 08/13/24 12:26

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 22:27
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 22:27
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10666	KR	EET ALB	08/21/24 17:14
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 00:41

Client Sample ID: TB-B25

Lab Sample ID: 885-9936-26

Date Collected: 08/13/24 12:30

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 22:49
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 22:49
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10666	KR	EET ALB	08/21/24 17:38
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 00:57

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-9936-1

Client Sample ID: TB-B19

Lab Sample ID: 885-9936-27

Date Collected: 08/13/24 12:18

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 23:11
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 23:11
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10596	KR	EET ALB	08/20/24 17:13
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 01:12

Client Sample ID: TB-B20

Lab Sample ID: 885-9936-28

Date Collected: 08/13/24 12:20

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 23:33
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 23:33
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 18:22
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 01:57

Client Sample ID: TB-B10

Lab Sample ID: 885-9936-29

Date Collected: 08/13/24 12:16

Matrix: Solid

Date Received: 08/15/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8015M/D		1	10519	AT	EET ALB	08/16/24 23:54
Total/NA	Prep	5030C			10378	JP	EET ALB	08/15/24 17:13
Total/NA	Analysis	8021B		1	10522	AT	EET ALB	08/16/24 23:54
Total/NA	Prep	SHAKE			10539	PD	EET ALB	08/19/24 15:30
Total/NA	Analysis	8015M/D		1	10594	KR	EET ALB	08/20/24 18:50
Total/NA	Prep	300_Prep			10592	KB	EET ALB	08/20/24 10:36
Total/NA	Analysis	300.0		20	10616	EH	EET ALB	08/21/24 02:12

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-9936-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush **5 DAY TAT**

Project Name:
Roy s w d #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: **J. Martinez**

On Ice: Yes No

of Coolers: **1** M650

Cooler Temp (including CP): **0.4 to 0.3 = 0.7**

Container Type and #

1x4oz Jar

Preservative Type

ICE

HEAL No.

1

2

3

4

5

6

7

8

9

10

11

12

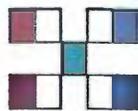
Received by: **CUC** Date: **8/14/24 0830**

Received by: **SEM COURIER** Date: **8/15/24 0750**

Remarks: Bill to EOG Artesia

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
8/13/24	1232	SOIL	TB-B 41	1x4oz Jar	ICE	1	X	X	X
	1234		TB-B42			2	X	X	X
	1234		TB-B43			3	X	X	X
	1240		TB-B44			4	X	X	X
	1214		TB-B46			5	X	X	X
	1212		TB-B5			6	X	X	X
	1130		TB-W1			7	X	X	X
	1132		TB-W2			8	X	X	X
	1134		TB-W3			9	X	X	X
	1136		TB-W4			10	X	X	X
	1138		TB-W5			11	X	X	X
	1140		TB-W6			12	X	X	X

Analysis Request



HALL ENVIRONMENTAL ANALYSIS LABOR



4901 Hawkins NE - Albuquerque, NM 87105

Tel. 505-345-3975 Fax 505-345-4107

885-9936 COC



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-9936-1

Login Number: 9936

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 9/19/2024 4:01:12 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-11527-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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9/19/2024 4:01:12 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-11527-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-11527-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-11527-1

Job ID: 885-11527-1

Eurofins Albuquerque

Job Narrative 885-11527-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 9/11/2024 7:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.8°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W4A

Lab Sample ID: 885-11527-1

Date Collected: 09/09/24 09:30

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 11:28	09/14/24 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 07:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 07:00	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 07:00	1
Toluene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 07:00	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 11:28	09/14/24 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			09/11/24 11:28	09/14/24 07:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/12/24 15:11	09/16/24 13:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/12/24 15:11	09/16/24 13:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			09/12/24 15:11	09/16/24 13:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		60	mg/Kg		09/13/24 10:05	09/16/24 10:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W6A

Lab Sample ID: 885-11527-2

Date Collected: 09/09/24 09:34

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 11:28	09/14/24 07:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 07:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 07:22	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 07:22	1
Toluene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 07:22	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 11:28	09/14/24 07:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			09/11/24 11:28	09/14/24 07:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/12/24 15:11	09/16/24 13:44	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/12/24 15:11	09/16/24 13:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			09/12/24 15:11	09/16/24 13:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71		60	mg/Kg		09/13/24 10:05	09/16/24 10:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W8A

Lab Sample ID: 885-11527-3

Date Collected: 09/09/24 09:36

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 11:28	09/14/24 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 08:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 08:06	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 08:06	1
Toluene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 08:06	1
Xylenes, Total	ND		0.098	mg/Kg		09/11/24 11:28	09/14/24 08:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			09/11/24 11:28	09/14/24 08:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/12/24 15:11	09/16/24 14:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/12/24 15:11	09/16/24 14:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			09/12/24 15:11	09/16/24 14:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110	F1 F2	60	mg/Kg		09/13/24 10:05	09/16/24 10:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W13A

Lab Sample ID: 885-11527-4

Date Collected: 09/09/24 09:40

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 11:28	09/14/24 08:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 08:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 08:27	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 08:27	1
Toluene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 08:27	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 11:28	09/14/24 08:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			09/11/24 11:28	09/14/24 08:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	35		9.9	mg/Kg		09/12/24 15:11	09/16/24 14:32	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/12/24 15:11	09/16/24 14:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	109		62 - 134			09/12/24 15:11	09/16/24 14:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	70		60	mg/Kg		09/13/24 10:05	09/16/24 12:15	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W14A

Lab Sample ID: 885-11527-5

Date Collected: 09/09/24 09:44

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/11/24 11:28	09/14/24 08:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 08:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 11:28	09/14/24 08:49	1
Ethylbenzene	ND		0.046	mg/Kg		09/11/24 11:28	09/14/24 08:49	1
Toluene	ND		0.046	mg/Kg		09/11/24 11:28	09/14/24 08:49	1
Xylenes, Total	ND		0.093	mg/Kg		09/11/24 11:28	09/14/24 08:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			09/11/24 11:28	09/14/24 08:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	21		9.6	mg/Kg		09/12/24 15:11	09/16/24 14:55	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/12/24 15:11	09/16/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	112		62 - 134			09/12/24 15:11	09/16/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/13/24 10:05	09/16/24 12:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W17A

Lab Sample ID: 885-11527-6

Date Collected: 09/09/24 09:46

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 11:28	09/14/24 09:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 09:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 09:11	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 09:11	1
Toluene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 09:11	1
Xylenes, Total	ND		0.098	mg/Kg		09/11/24 11:28	09/14/24 09:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			09/11/24 11:28	09/14/24 09:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/12/24 15:11	09/13/24 22:26	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/12/24 15:11	09/13/24 22:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	110		62 - 134			09/12/24 15:11	09/13/24 22:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		09/13/24 10:05	09/16/24 12:45	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B1

Lab Sample ID: 885-11527-7

Date Collected: 09/09/24 10:10

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 11:28	09/14/24 09:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 09:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 09:33	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 09:33	1
Toluene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 09:33	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 11:28	09/14/24 09:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			09/11/24 11:28	09/14/24 09:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/12/24 15:11	09/13/24 22:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/12/24 15:11	09/13/24 22:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	121		62 - 134			09/12/24 15:11	09/13/24 22:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		09/13/24 10:05	09/16/24 13:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B2

Lab Sample ID: 885-11527-8

Date Collected: 09/09/24 10:12

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 11:28	09/14/24 09:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 09:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 09:55	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 09:55	1
Toluene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 09:55	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 11:28	09/14/24 09:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			09/11/24 11:28	09/14/24 09:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/12/24 15:11	09/13/24 23:04	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/12/24 15:11	09/13/24 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/12/24 15:11	09/13/24 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	430		60	mg/Kg		09/13/24 10:05	09/16/24 13:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B3

Lab Sample ID: 885-11527-9

Date Collected: 09/09/24 10:14

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 11:28	09/14/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 10:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 10:17	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 10:17	1
Toluene	ND		0.049	mg/Kg		09/11/24 11:28	09/14/24 10:17	1
Xylenes, Total	ND		0.098	mg/Kg		09/11/24 11:28	09/14/24 10:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			09/11/24 11:28	09/14/24 10:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/12/24 15:11	09/13/24 23:17	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/12/24 15:11	09/13/24 23:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/12/24 15:11	09/13/24 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		09/13/24 10:05	09/16/24 13:31	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B4

Lab Sample ID: 885-11527-10

Date Collected: 09/09/24 10:16

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 11:28	09/14/24 10:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 10:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 10:39	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 10:39	1
Toluene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 10:39	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 11:28	09/14/24 10:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			09/11/24 11:28	09/14/24 10:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/12/24 15:11	09/13/24 23:29	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/12/24 15:11	09/13/24 23:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			09/12/24 15:11	09/13/24 23:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	700		60	mg/Kg		09/13/24 10:05	09/16/24 13:46	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B6

Lab Sample ID: 885-11527-11

Date Collected: 09/09/24 10:20

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 11:28	09/14/24 11:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 11:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 11:00	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 11:00	1
Toluene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 11:00	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 11:28	09/14/24 11:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			09/11/24 11:28	09/14/24 11:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/12/24 15:11	09/13/24 23:42	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/12/24 15:11	09/13/24 23:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			09/12/24 15:11	09/13/24 23:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	350		60	mg/Kg		09/13/24 10:05	09/16/24 14:01	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B7

Lab Sample ID: 885-11527-12

Date Collected: 09/09/24 10:24

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 11:28	09/14/24 11:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 11:22	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 11:28	09/14/24 11:22	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 11:22	1
Toluene	ND		0.048	mg/Kg		09/11/24 11:28	09/14/24 11:22	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 11:28	09/14/24 11:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		48 - 145			09/11/24 11:28	09/14/24 11:22	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/12/24 15:11	09/13/24 23:54	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/12/24 15:11	09/13/24 23:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/12/24 15:11	09/13/24 23:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380	F2	60	mg/Kg		09/13/24 10:05	09/16/24 15:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B8

Lab Sample ID: 885-11527-13

Date Collected: 09/09/24 10:26

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/16/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/16/24 23:58	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/16/24 23:58	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/16/24 23:58	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/16/24 23:58	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 13:20	09/16/24 23:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/16/24 23:58	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/13/24 10:51	09/13/24 15:47	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 15:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/13/24 10:51	09/13/24 15:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	190		60	mg/Kg		09/13/24 15:01	09/13/24 16:26	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B9

Lab Sample ID: 885-11527-14

Date Collected: 09/09/24 10:30

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 13:20	09/17/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/17/24 01:09	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 01:09	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 01:09	1
Toluene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 01:09	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 13:20	09/17/24 01:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			09/11/24 13:20	09/17/24 01:09	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/13/24 10:51	09/13/24 16:00	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 10:51	09/13/24 16:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			09/13/24 10:51	09/13/24 16:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		60	mg/Kg		09/13/24 15:01	09/13/24 16:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B-10A

Lab Sample ID: 885-11527-15

Date Collected: 09/09/24 10:34

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/11/24 13:20	09/17/24 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/11/24 13:20	09/17/24 01:32	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 13:20	09/17/24 01:32	1
Ethylbenzene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 01:32	1
Toluene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 01:32	1
Xylenes, Total	ND		0.094	mg/Kg		09/11/24 13:20	09/17/24 01:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			09/11/24 13:20	09/17/24 01:32	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/13/24 10:51	09/13/24 16:12	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 10:51	09/13/24 16:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/13/24 10:51	09/13/24 16:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		09/13/24 15:01	09/13/24 16:56	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B11

Lab Sample ID: 885-11527-16

Date Collected: 09/09/24 10:36

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/11/24 13:20	09/17/24 01:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/11/24 13:20	09/17/24 01:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 13:20	09/17/24 01:55	1
Ethylbenzene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 01:55	1
Toluene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 01:55	1
Xylenes, Total	ND		0.093	mg/Kg		09/11/24 13:20	09/17/24 01:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			09/11/24 13:20	09/17/24 01:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		09/13/24 10:51	09/13/24 16:24	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/13/24 10:51	09/13/24 16:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/13/24 10:51	09/13/24 16:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	600		60	mg/Kg		09/13/24 15:01	09/13/24 17:11	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B12

Lab Sample ID: 885-11527-17

Date Collected: 09/09/24 10:38

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 13:20	09/17/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/11/24 13:20	09/17/24 02:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 13:20	09/17/24 02:19	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 02:19	1
Toluene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 02:19	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 13:20	09/17/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			09/11/24 13:20	09/17/24 02:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/13/24 10:51	09/13/24 16:36	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/13/24 10:51	09/13/24 16:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/13/24 10:51	09/13/24 16:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270	F2	60	mg/Kg		09/13/24 15:01	09/13/24 17:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B13

Lab Sample ID: 885-11527-18

Date Collected: 09/09/24 10:40

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/11/24 13:20	09/17/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/17/24 02:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 13:20	09/17/24 02:42	1
Ethylbenzene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 02:42	1
Toluene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 02:42	1
Xylenes, Total	ND		0.092	mg/Kg		09/11/24 13:20	09/17/24 02:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 02:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 10:51	09/13/24 16:48	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/13/24 10:51	09/13/24 16:48	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/13/24 15:01	09/13/24 18:42	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B14

Lab Sample ID: 885-11527-19

Date Collected: 09/09/24 10:44

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/11/24 13:20	09/17/24 03:06	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 03:06	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 03:06	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 03:06	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 13:20	09/17/24 03:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 03:06	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 10:51	09/13/24 17:00	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 17:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/13/24 10:51	09/13/24 17:00	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	950		60	mg/Kg		09/13/24 15:01	09/13/24 18:57	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B15

Lab Sample ID: 885-11527-20

Date Collected: 09/09/24 10:48

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 13:20	09/17/24 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/11/24 13:20	09/17/24 03:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 13:20	09/17/24 03:29	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 13:20	09/17/24 03:29	1
Toluene	ND		0.050	mg/Kg		09/11/24 13:20	09/17/24 03:29	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 13:20	09/17/24 03:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 03:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		09/13/24 10:51	09/13/24 17:12	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		09/13/24 10:51	09/13/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/13/24 10:51	09/13/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	180		60	mg/Kg		09/13/24 15:01	09/13/24 19:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B16

Lab Sample ID: 885-11527-21

Date Collected: 09/09/24 10:54

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 13:20	09/17/24 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/11/24 13:20	09/17/24 03:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 03:53	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 03:53	1
Toluene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 03:53	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 13:20	09/17/24 03:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			09/11/24 13:20	09/17/24 03:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/13/24 10:51	09/13/24 17:25	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 10:51	09/13/24 17:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			09/13/24 10:51	09/13/24 17:25	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91		60	mg/Kg		09/13/24 15:01	09/13/24 19:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B17

Lab Sample ID: 885-11527-22

Date Collected: 09/09/24 10:56

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/11/24 13:20	09/17/24 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/17/24 04:40	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 13:20	09/17/24 04:40	1
Ethylbenzene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 04:40	1
Toluene	ND		0.046	mg/Kg		09/11/24 13:20	09/17/24 04:40	1
Xylenes, Total	ND		0.093	mg/Kg		09/11/24 13:20	09/17/24 04:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			09/11/24 13:20	09/17/24 04:40	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/13/24 10:51	09/13/24 17:37	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 17:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	113		62 - 134			09/13/24 10:51	09/13/24 17:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82		60	mg/Kg		09/13/24 15:01	09/13/24 19:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B18

Lab Sample ID: 885-11527-23

Date Collected: 09/09/24 11:00

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			09/11/24 13:20	09/17/24 05:03	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 05:03	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 05:03	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 05:03	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 13:20	09/17/24 05:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		48 - 145			09/11/24 13:20	09/17/24 05:03	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 10:51	09/13/24 18:03	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 18:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/13/24 10:51	09/13/24 18:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	63		60	mg/Kg		09/13/24 15:01	09/13/24 19:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B-19A

Lab Sample ID: 885-11527-24

Date Collected: 09/09/24 11:10

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/11/24 13:20	09/17/24 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/11/24 13:20	09/17/24 05:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 05:26	1
Ethylbenzene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 05:26	1
Toluene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 05:26	1
Xylenes, Total	ND		0.094	mg/Kg		09/11/24 13:20	09/17/24 05:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 05:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/13/24 10:51	09/13/24 18:15	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 10:51	09/13/24 18:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	116		62 - 134			09/13/24 10:51	09/13/24 18:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	78		60	mg/Kg		09/13/24 15:01	09/13/24 20:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B-20A

Lab Sample ID: 885-11527-25

Date Collected: 09/09/24 11:14

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 05:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/11/24 13:20	09/17/24 05:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 05:50	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 05:50	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 05:50	1
Xylenes, Total	ND		0.095	mg/Kg		09/11/24 13:20	09/17/24 05:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 05:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.8	mg/Kg		09/13/24 10:51	09/13/24 18:28	1
Motor Oil Range Organics [C28-C40]	ND		44	mg/Kg		09/13/24 10:51	09/13/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/13/24 10:51	09/13/24 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	830		60	mg/Kg		09/13/24 15:01	09/13/24 20:28	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B21

Lab Sample ID: 885-11527-26

Date Collected: 09/09/24 11:20

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 13:20	09/17/24 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/11/24 13:20	09/17/24 06:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 13:20	09/17/24 06:13	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 13:20	09/17/24 06:13	1
Toluene	ND		0.050	mg/Kg		09/11/24 13:20	09/17/24 06:13	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 13:20	09/17/24 06:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			09/11/24 13:20	09/17/24 06:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.0	mg/Kg		09/13/24 10:51	09/13/24 18:41	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		09/13/24 10:51	09/13/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/13/24 10:51	09/13/24 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/13/24 15:01	09/13/24 21:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B22

Lab Sample ID: 885-11527-27

Date Collected: 09/09/24 11:22

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 06:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/17/24 06:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 06:37	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 06:37	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 06:37	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 13:20	09/17/24 06:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		48 - 145			09/11/24 13:20	09/17/24 06:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/13/24 10:51	09/13/24 18:53	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 10:51	09/13/24 18:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			09/13/24 10:51	09/13/24 18:53	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		60	mg/Kg		09/16/24 07:46	09/16/24 08:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B-23A

Lab Sample ID: 885-11527-28

Date Collected: 09/09/24 11:26

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 13:20	09/17/24 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/11/24 13:20	09/17/24 07:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 13:20	09/17/24 07:00	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 07:00	1
Toluene	ND		0.049	mg/Kg		09/11/24 13:20	09/17/24 07:00	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 13:20	09/17/24 07:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	88		48 - 145			09/11/24 13:20	09/17/24 07:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		09/13/24 10:51	09/13/24 19:06	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 10:51	09/13/24 19:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/13/24 10:51	09/13/24 19:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	670		60	mg/Kg		09/16/24 07:46	09/16/24 09:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B26

Lab Sample ID: 885-11527-29

Date Collected: 09/09/24 11:30

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/11/24 13:20	09/17/24 07:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			09/11/24 13:20	09/17/24 07:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 13:20	09/17/24 07:24	1
Ethylbenzene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 07:24	1
Toluene	ND		0.047	mg/Kg		09/11/24 13:20	09/17/24 07:24	1
Xylenes, Total	ND		0.093	mg/Kg		09/11/24 13:20	09/17/24 07:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 07:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 10:51	09/13/24 19:18	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/13/24 10:51	09/13/24 19:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/13/24 10:51	09/13/24 19:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		09/16/24 07:46	09/16/24 10:08	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B27

Lab Sample ID: 885-11527-30

Date Collected: 09/09/24 11:40

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 07:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			09/11/24 13:20	09/17/24 07:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 07:47	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 07:47	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 07:47	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 13:20	09/17/24 07:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		48 - 145			09/11/24 13:20	09/17/24 07:47	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 10:51	09/13/24 19:31	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/13/24 10:51	09/13/24 19:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			09/13/24 10:51	09/13/24 19:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		09/16/24 07:46	09/16/24 10:21	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B28

Lab Sample ID: 885-11527-31

Date Collected: 09/09/24 11:42

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 13:20	09/17/24 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			09/11/24 13:20	09/17/24 08:11	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 13:20	09/17/24 08:11	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 08:11	1
Toluene	ND		0.048	mg/Kg		09/11/24 13:20	09/17/24 08:11	1
Xylenes, Total	ND		0.096	mg/Kg		09/11/24 13:20	09/17/24 08:11	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		48 - 145			09/11/24 13:20	09/17/24 08:11	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/13/24 10:51	09/13/24 19:43	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/13/24 10:51	09/13/24 19:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/13/24 10:51	09/13/24 19:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		09/16/24 07:46	09/16/24 10:59	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B29

Lab Sample ID: 885-11527-32

Date Collected: 09/09/24 12:00

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 16:09	09/17/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/11/24 16:09	09/17/24 22:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/17/24 22:31	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 16:09	09/17/24 22:31	1
Toluene	ND		0.049	mg/Kg		09/11/24 16:09	09/17/24 22:31	1
Xylenes, Total	ND		0.098	mg/Kg		09/11/24 16:09	09/17/24 22:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			09/11/24 16:09	09/17/24 22:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		09/13/24 13:24	09/16/24 16:07	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 13:24	09/16/24 16:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			09/13/24 13:24	09/16/24 16:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		09/16/24 07:46	09/16/24 11:12	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B30

Lab Sample ID: 885-11527-33

Date Collected: 09/09/24 12:02

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 16:09	09/17/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/11/24 16:09	09/17/24 23:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/17/24 23:41	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 16:09	09/17/24 23:41	1
Toluene	ND		0.049	mg/Kg		09/11/24 16:09	09/17/24 23:41	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 16:09	09/17/24 23:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			09/11/24 16:09	09/17/24 23:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		09/13/24 13:24	09/16/24 16:18	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		09/13/24 13:24	09/16/24 16:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			09/13/24 13:24	09/16/24 16:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		60	mg/Kg		09/16/24 07:46	09/16/24 11:25	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B31

Lab Sample ID: 885-11527-34

Date Collected: 09/09/24 12:04

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		09/11/24 16:09	09/18/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			09/11/24 16:09	09/18/24 00:52	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 16:09	09/18/24 00:52	1
Ethylbenzene	ND		0.048	mg/Kg		09/11/24 16:09	09/18/24 00:52	1
Toluene	ND		0.048	mg/Kg		09/11/24 16:09	09/18/24 00:52	1
Xylenes, Total	ND		0.097	mg/Kg		09/11/24 16:09	09/18/24 00:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		48 - 145			09/11/24 16:09	09/18/24 00:52	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		09/13/24 13:24	09/16/24 16:28	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/13/24 13:24	09/16/24 16:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			09/13/24 13:24	09/16/24 16:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		61	mg/Kg		09/16/24 08:10	09/16/24 15:17	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B32

Lab Sample ID: 885-11527-35

Date Collected: 09/09/24 12:06

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		09/11/24 16:09	09/18/24 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			09/11/24 16:09	09/18/24 01:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/18/24 01:15	1
Ethylbenzene	ND		0.049	mg/Kg		09/11/24 16:09	09/18/24 01:15	1
Toluene	ND		0.049	mg/Kg		09/11/24 16:09	09/18/24 01:15	1
Xylenes, Total	ND		0.099	mg/Kg		09/11/24 16:09	09/18/24 01:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		48 - 145			09/11/24 16:09	09/18/24 01:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/13/24 13:24	09/16/24 16:39	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/13/24 13:24	09/16/24 16:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			09/13/24 13:24	09/16/24 16:39	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	290		60	mg/Kg		09/16/24 08:10	09/16/24 16:22	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B33

Lab Sample ID: 885-11527-36

Date Collected: 09/09/24 12:08

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/11/24 16:09	09/18/24 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/11/24 16:09	09/18/24 01:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 16:09	09/18/24 01:39	1
Ethylbenzene	ND		0.047	mg/Kg		09/11/24 16:09	09/18/24 01:39	1
Toluene	ND		0.047	mg/Kg		09/11/24 16:09	09/18/24 01:39	1
Xylenes, Total	ND		0.095	mg/Kg		09/11/24 16:09	09/18/24 01:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		48 - 145			09/11/24 16:09	09/18/24 01:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		09/13/24 13:24	09/16/24 16:50	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		09/13/24 13:24	09/16/24 16:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			09/13/24 13:24	09/16/24 16:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		09/16/24 08:10	09/16/24 17:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B34

Lab Sample ID: 885-11527-37

Date Collected: 09/09/24 12:10

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 16:09	09/18/24 02:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			09/11/24 16:09	09/18/24 02:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/18/24 02:02	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 16:09	09/18/24 02:02	1
Toluene	ND		0.050	mg/Kg		09/11/24 16:09	09/18/24 02:02	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 16:09	09/18/24 02:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		48 - 145			09/11/24 16:09	09/18/24 02:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/13/24 13:24	09/16/24 17:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		09/13/24 13:24	09/16/24 17:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			09/13/24 13:24	09/16/24 17:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		60	mg/Kg		09/16/24 08:10	09/16/24 17:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B35

Lab Sample ID: 885-11527-38

Date Collected: 09/09/24 12:14

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 16:09	09/18/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			09/11/24 16:09	09/18/24 02:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/18/24 02:26	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 16:09	09/18/24 02:26	1
Toluene	ND		0.050	mg/Kg		09/11/24 16:09	09/18/24 02:26	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 16:09	09/18/24 02:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		48 - 145			09/11/24 16:09	09/18/24 02:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		09/13/24 13:24	09/16/24 17:12	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		09/13/24 13:24	09/16/24 17:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			09/13/24 13:24	09/16/24 17:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		60	mg/Kg		09/16/24 08:10	09/16/24 17:26	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B36

Lab Sample ID: 885-11527-39

Date Collected: 09/09/24 12:16

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		09/11/24 16:09	09/18/24 02:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			09/11/24 16:09	09/18/24 02:49	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		09/11/24 16:09	09/18/24 02:49	1
Ethylbenzene	ND		0.047	mg/Kg		09/11/24 16:09	09/18/24 02:49	1
Toluene	ND		0.047	mg/Kg		09/11/24 16:09	09/18/24 02:49	1
Xylenes, Total	ND		0.094	mg/Kg		09/11/24 16:09	09/18/24 02:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		48 - 145			09/11/24 16:09	09/18/24 02:49	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		09/13/24 13:24	09/16/24 17:22	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 13:24	09/16/24 17:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			09/13/24 13:24	09/16/24 17:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		09/16/24 08:10	09/16/24 17:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B37

Lab Sample ID: 885-11527-40

Date Collected: 09/09/24 12:18

Matrix: Solid

Date Received: 09/11/24 07:50

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		09/11/24 16:09	09/18/24 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			09/11/24 16:09	09/18/24 03:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		09/11/24 16:09	09/18/24 03:13	1
Ethylbenzene	ND		0.046	mg/Kg		09/11/24 16:09	09/18/24 03:13	1
Toluene	ND		0.046	mg/Kg		09/11/24 16:09	09/18/24 03:13	1
Xylenes, Total	ND		0.093	mg/Kg		09/11/24 16:09	09/18/24 03:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	85		48 - 145			09/11/24 16:09	09/18/24 03:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		09/13/24 13:24	09/16/24 17:44	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		09/13/24 13:24	09/16/24 17:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/13/24 13:24	09/16/24 17:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		60	mg/Kg		09/16/24 08:10	09/16/24 17:52	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-12010/1-A
Matrix: Solid
Analysis Batch: 12296

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12010

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 11:28	09/14/24 02:17	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)						09/11/24 11:28	09/14/24 02:17	1

Lab Sample ID: LCS 885-12010/2-A
Matrix: Solid
Analysis Batch: 12296

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	26.6		mg/Kg		106	70 - 130

Lab Sample ID: MB 885-12049/1-A
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12049

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 13:20	09/16/24 22:25	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			09/11/24 13:20	09/16/24 22:25	1

Lab Sample ID: LCS 885-12049/2-A
Matrix: Solid
Analysis Batch: 12323

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.6		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	207		35 - 166				

Lab Sample ID: MB 885-12079/1-A
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12079

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		09/11/24 16:09	09/17/24 22:08	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			09/11/24 16:09	09/17/24 22:08	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: LCS 885-12079/2-A
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 12079

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.2		mg/Kg		93	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		205					35 - 166

Lab Sample ID: 885-11527-32 MS
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: TB-B29
Prep Type: Total/NA
Prep Batch: 12079

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.3	21.9		mg/Kg		90	70 - 130
Surrogate		MS %Recovery		MS Qualifier					Limits
4-Bromofluorobenzene (Surr)		199							35 - 166

Lab Sample ID: 885-11527-32 MSD
Matrix: Solid
Analysis Batch: 12422

Client Sample ID: TB-B29
Prep Type: Total/NA
Prep Batch: 12079

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.3	20.3		mg/Kg		84	70 - 130	7	20
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
4-Bromofluorobenzene (Surr)		192							35 - 166		

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-12010/1-A
Matrix: Solid
Analysis Batch: 12297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 12010

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		09/11/24 11:28	09/14/24 02:17	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 02:17	1
Toluene	ND		0.050	mg/Kg		09/11/24 11:28	09/14/24 02:17	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 11:28	09/14/24 02:17	1
Surrogate		MB %Recovery				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		106				09/11/24 11:28	09/14/24 02:17	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-12010/3-A
 Matrix: Solid
 Analysis Batch: 12297

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12010

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	1.05		mg/Kg		105	70 - 130	
Ethylbenzene	1.00	1.06		mg/Kg		106	70 - 130	
Toluene	1.00	1.07		mg/Kg		107	70 - 130	
m-Xylene & p-Xylene	2.00	2.12		mg/Kg		106	70 - 130	
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		48 - 145

Lab Sample ID: MB 885-12049/1-A
 Matrix: Solid
 Analysis Batch: 12324

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12049

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		09/11/24 13:20	09/16/24 22:25	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 13:20	09/16/24 22:25	1
Toluene	ND		0.050	mg/Kg		09/11/24 13:20	09/16/24 22:25	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 13:20	09/16/24 22:25	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	92		48 - 145	09/11/24 13:20	09/16/24 22:25	1

Lab Sample ID: LCS 885-12049/3-A
 Matrix: Solid
 Analysis Batch: 12324

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12049

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	0.865		mg/Kg		86	70 - 130	
Ethylbenzene	1.00	0.804		mg/Kg		80	70 - 130	
Toluene	1.00	0.812		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	2.00	1.61		mg/Kg		80	70 - 130	
o-Xylene	1.00	0.768		mg/Kg		77	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: 885-11527-13 MS
 Matrix: Solid
 Analysis Batch: 12324

Client Sample ID: TB-B8
 Prep Type: Total/NA
 Prep Batch: 12049

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.954	0.771		mg/Kg		81	70 - 130	
Ethylbenzene	ND		0.954	0.727		mg/Kg		76	70 - 130	
Toluene	ND		0.954	0.740		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	ND		1.91	1.45		mg/Kg		75	70 - 130	
o-Xylene	ND		0.954	0.684		mg/Kg		72	70 - 130	

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-11527-13 MS

Matrix: Solid

Analysis Batch: 12324

Client Sample ID: TB-B8

Prep Type: Total/NA

Prep Batch: 12049

Surrogate	%Recovery	MS MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		48 - 145

Lab Sample ID: 885-11527-13 MSD

Matrix: Solid

Analysis Batch: 12324

Client Sample ID: TB-B8

Prep Type: Total/NA

Prep Batch: 12049

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Benzene	ND		0.960	0.797		mg/Kg		83	70 - 130	3		20
Ethylbenzene	ND		0.960	0.737		mg/Kg		77	70 - 130	1		20
Toluene	ND		0.960	0.757		mg/Kg		79	70 - 130	2		20
m-Xylene & p-Xylene	ND		1.92	1.48		mg/Kg		76	70 - 130	2		20
o-Xylene	ND		0.960	0.710		mg/Kg		74	70 - 130	4		20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		48 - 145

Lab Sample ID: MB 885-12079/1-A

Matrix: Solid

Analysis Batch: 12423

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12079

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		09/11/24 16:09	09/17/24 22:08	1
Ethylbenzene	ND		0.050	mg/Kg		09/11/24 16:09	09/17/24 22:08	1
Toluene	ND		0.050	mg/Kg		09/11/24 16:09	09/17/24 22:08	1
Xylenes, Total	ND		0.10	mg/Kg		09/11/24 16:09	09/17/24 22:08	1

Surrogate	%Recovery	MB MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	82		48 - 145	09/11/24 16:09	09/17/24 22:08	1

Lab Sample ID: LCS 885-12079/3-A

Matrix: Solid

Analysis Batch: 12423

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12079

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec	
		Result	Qualifier				Limits	RPD
Benzene	1.00	0.860		mg/Kg		86	70 - 130	
Ethylbenzene	1.00	0.801		mg/Kg		80	70 - 130	
Toluene	1.00	0.812		mg/Kg		81	70 - 130	
m-Xylene & p-Xylene	2.00	1.64		mg/Kg		82	70 - 130	
o-Xylene	1.00	0.764		mg/Kg		76	70 - 130	

Surrogate	%Recovery	LCS LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	87		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-11527-33 MS

Matrix: Solid

Analysis Batch: 12423

Client Sample ID: TB-B30

Prep Type: Total/NA

Prep Batch: 12079

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits	
	Result	Qualifier	Added	Result	Qualifier						
Benzene	ND		0.986	0.785		mg/Kg		80		70 - 130	
Ethylbenzene	ND		0.986	0.744		mg/Kg		75		70 - 130	
Toluene	ND		0.986	0.754		mg/Kg		77		70 - 130	
m-Xylene & p-Xylene	ND		1.97	1.49		mg/Kg		74		70 - 130	
o-Xylene	ND		0.986	0.715		mg/Kg		73		70 - 130	
		MS	MS								
Surrogate	%Recovery	Qualifier	Limits								
4-Bromofluorobenzene (Surr)	86		48 - 145								

Lab Sample ID: 885-11527-33 MSD

Matrix: Solid

Analysis Batch: 12423

Client Sample ID: TB-B30

Prep Type: Total/NA

Prep Batch: 12079

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						RPD	Limit
Benzene	ND		0.981	0.763		mg/Kg		78		70 - 130	3	20
Ethylbenzene	ND		0.981	0.722		mg/Kg		74		70 - 130	3	20
Toluene	ND		0.981	0.736		mg/Kg		75		70 - 130	2	20
m-Xylene & p-Xylene	ND		1.96	1.47		mg/Kg		73		70 - 130	1	20
o-Xylene	ND		0.981	0.691		mg/Kg		70		70 - 130	3	20
		MSD	MSD									
Surrogate	%Recovery	Qualifier	Limits									
4-Bromofluorobenzene (Surr)	86		48 - 145									

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-12145/1-A

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12145

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/12/24 15:11	09/13/24 20:21	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/12/24 15:11	09/13/24 20:21	1
		MB	MB					
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			09/12/24 15:11	09/13/24 20:21	1

Lab Sample ID: LCS 885-12145/2-A

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12145

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec	Limits
		Result	Qualifier					
Diesel Range Organics [C10-C28]	50.0	56.2		mg/Kg		112		60 - 135
		LCS	LCS					
Surrogate	%Recovery	Qualifier	Limits					
Di-n-octyl phthalate (Surr)	115		62 - 134					

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-12222/1-A

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12222

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/13/24 10:51	09/13/24 15:11	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/13/24 10:51	09/13/24 15:11	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			09/13/24 10:51	09/13/24 15:11	1

Lab Sample ID: LCS 885-12222/2-A

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 12222

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	38.7		mg/Kg		77	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	84		62 - 134				

Lab Sample ID: 885-11527-31 MS

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: TB-B28

Prep Type: Total/NA

Prep Batch: 12222

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND		46.4	43.1		mg/Kg		93	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	101		62 - 134						

Lab Sample ID: 885-11527-31 MSD

Matrix: Solid

Analysis Batch: 12209

Client Sample ID: TB-B28

Prep Type: Total/NA

Prep Batch: 12222

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		49.8	43.1		mg/Kg		87	44 - 136	0	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	98		62 - 134								

Lab Sample ID: MB 885-12236/1-A

Matrix: Solid

Analysis Batch: 12287

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 12236

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		09/13/24 13:24	09/16/24 15:45	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		09/13/24 13:24	09/16/24 15:45	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-12236/1-A
 Matrix: Solid
 Analysis Batch: 12287

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12236

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134	09/13/24 13:24	09/16/24 15:45	1

Lab Sample ID: LCS 885-12236/2-A
 Matrix: Solid
 Analysis Batch: 12287

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12236

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	41.6		mg/Kg		83	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	93		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-12213/1-A
 Matrix: Solid
 Analysis Batch: 12227

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12213

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/13/24 10:05	09/13/24 16:10	1

Lab Sample ID: MB 885-12213/1-A
 Matrix: Solid
 Analysis Batch: 12355

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12213

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/13/24 10:05	09/16/24 09:13	1

Lab Sample ID: LCS 885-12213/2-A
 Matrix: Solid
 Analysis Batch: 12355

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12213

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.6		mg/Kg		102	90 - 110

Lab Sample ID: 885-11527-3 MS
 Matrix: Solid
 Analysis Batch: 12355

Client Sample ID: TB-W8A
 Prep Type: Total/NA
 Prep Batch: 12213

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	110	F1 F2	30.2	168	F1	mg/Kg		201	50 - 150

Lab Sample ID: 885-11527-3 MSD
 Matrix: Solid
 Analysis Batch: 12355

Client Sample ID: TB-W8A
 Prep Type: Total/NA
 Prep Batch: 12213

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	110	F1 F2	30.2	101	F1 F2	mg/Kg		-19	50 - 150	50	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-12240/1-A
 Matrix: Solid
 Analysis Batch: 12262

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12240

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/13/24 15:01	09/13/24 15:56	1

Lab Sample ID: LCS 885-12240/2-A
 Matrix: Solid
 Analysis Batch: 12262

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12240

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	30.5		mg/Kg		102	90 - 110

Lab Sample ID: 885-11527-25 MS
 Matrix: Solid
 Analysis Batch: 12262

Client Sample ID: TB-B-20A
 Prep Type: Total/NA
 Prep Batch: 12240

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	830		29.8	1020	4	mg/Kg		620	50 - 150

Lab Sample ID: 885-11527-25 MSD
 Matrix: Solid
 Analysis Batch: 12262

Client Sample ID: TB-B-20A
 Prep Type: Total/NA
 Prep Batch: 12240

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	830		30.0	831	4	mg/Kg		-9	50 - 150	20	20

Lab Sample ID: MB 885-12269/1-A
 Matrix: Solid
 Analysis Batch: 12327

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12269

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/16/24 07:46	09/16/24 08:19	1

Lab Sample ID: LCS 885-12269/2-A
 Matrix: Solid
 Analysis Batch: 12327

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	32.4		mg/Kg		108	90 - 110

Lab Sample ID: MB 885-12270/1-A
 Matrix: Solid
 Analysis Batch: 12327

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 12270

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		09/16/24 08:10	09/16/24 14:51	1

Lab Sample ID: LCS 885-12270/2-A
 Matrix: Solid
 Analysis Batch: 12327

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 12270

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	32.3		mg/Kg		108	90 - 110

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 885-11527-34 MSD

Matrix: Solid

Analysis Batch: 12327

Client Sample ID: TB-B31

Prep Type: Total/NA

Prep Batch: 12270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	290		30.1	318	4	mg/Kg		110	50 - 150	13	20

Lab Sample ID: 885-11527-35 MS

Matrix: Solid

Analysis Batch: 12327

Client Sample ID: TB-B32

Prep Type: Total/NA

Prep Batch: 12270

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	290		29.7	322	4	mg/Kg		97	50 - 150		

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC VOA

Prep Batch: 12010

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	5030C	
885-11527-2	TB-W6A	Total/NA	Solid	5030C	
885-11527-3	TB-W8A	Total/NA	Solid	5030C	
885-11527-4	TB-W13A	Total/NA	Solid	5030C	
885-11527-5	TB-W14A	Total/NA	Solid	5030C	
885-11527-6	TB-W17A	Total/NA	Solid	5030C	
885-11527-7	TB-B1	Total/NA	Solid	5030C	
885-11527-8	TB-B2	Total/NA	Solid	5030C	
885-11527-9	TB-B3	Total/NA	Solid	5030C	
885-11527-10	TB-B4	Total/NA	Solid	5030C	
885-11527-11	TB-B6	Total/NA	Solid	5030C	
885-11527-12	TB-B7	Total/NA	Solid	5030C	
MB 885-12010/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12010/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12010/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Prep Batch: 12049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	5030C	
885-11527-14	TB-B9	Total/NA	Solid	5030C	
885-11527-15	TB-B-10A	Total/NA	Solid	5030C	
885-11527-16	TB-B11	Total/NA	Solid	5030C	
885-11527-17	TB-B12	Total/NA	Solid	5030C	
885-11527-18	TB-B13	Total/NA	Solid	5030C	
885-11527-19	TB-B14	Total/NA	Solid	5030C	
885-11527-20	TB-B15	Total/NA	Solid	5030C	
885-11527-21	TB-B16	Total/NA	Solid	5030C	
885-11527-22	TB-B17	Total/NA	Solid	5030C	
885-11527-23	TB-B18	Total/NA	Solid	5030C	
885-11527-24	TB-B-19A	Total/NA	Solid	5030C	
885-11527-25	TB-B-20A	Total/NA	Solid	5030C	
885-11527-26	TB-B21	Total/NA	Solid	5030C	
885-11527-27	TB-B22	Total/NA	Solid	5030C	
885-11527-28	TB-B-23A	Total/NA	Solid	5030C	
885-11527-29	TB-B26	Total/NA	Solid	5030C	
885-11527-30	TB-B27	Total/NA	Solid	5030C	
885-11527-31	TB-B28	Total/NA	Solid	5030C	
MB 885-12049/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12049/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12049/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-11527-13 MS	TB-B8	Total/NA	Solid	5030C	
885-11527-13 MSD	TB-B8	Total/NA	Solid	5030C	

Prep Batch: 12079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-32	TB-B29	Total/NA	Solid	5030C	
885-11527-33	TB-B30	Total/NA	Solid	5030C	
885-11527-34	TB-B31	Total/NA	Solid	5030C	
885-11527-35	TB-B32	Total/NA	Solid	5030C	
885-11527-36	TB-B33	Total/NA	Solid	5030C	
885-11527-37	TB-B34	Total/NA	Solid	5030C	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC VOA (Continued)

Prep Batch: 12079 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-38	TB-B35	Total/NA	Solid	5030C	
885-11527-39	TB-B36	Total/NA	Solid	5030C	
885-11527-40	TB-B37	Total/NA	Solid	5030C	
MB 885-12079/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-12079/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-12079/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-11527-32 MS	TB-B29	Total/NA	Solid	5030C	
885-11527-32 MSD	TB-B29	Total/NA	Solid	5030C	
885-11527-33 MS	TB-B30	Total/NA	Solid	5030C	
885-11527-33 MSD	TB-B30	Total/NA	Solid	5030C	

Analysis Batch: 12296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	8015M/D	12010
885-11527-2	TB-W6A	Total/NA	Solid	8015M/D	12010
885-11527-3	TB-W8A	Total/NA	Solid	8015M/D	12010
885-11527-4	TB-W13A	Total/NA	Solid	8015M/D	12010
885-11527-5	TB-W14A	Total/NA	Solid	8015M/D	12010
885-11527-6	TB-W17A	Total/NA	Solid	8015M/D	12010
885-11527-7	TB-B1	Total/NA	Solid	8015M/D	12010
885-11527-8	TB-B2	Total/NA	Solid	8015M/D	12010
885-11527-9	TB-B3	Total/NA	Solid	8015M/D	12010
885-11527-10	TB-B4	Total/NA	Solid	8015M/D	12010
885-11527-11	TB-B6	Total/NA	Solid	8015M/D	12010
885-11527-12	TB-B7	Total/NA	Solid	8015M/D	12010
MB 885-12010/1-A	Method Blank	Total/NA	Solid	8015M/D	12010
LCS 885-12010/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12010

Analysis Batch: 12297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	8021B	12010
885-11527-2	TB-W6A	Total/NA	Solid	8021B	12010
885-11527-3	TB-W8A	Total/NA	Solid	8021B	12010
885-11527-4	TB-W13A	Total/NA	Solid	8021B	12010
885-11527-5	TB-W14A	Total/NA	Solid	8021B	12010
885-11527-6	TB-W17A	Total/NA	Solid	8021B	12010
885-11527-7	TB-B1	Total/NA	Solid	8021B	12010
885-11527-8	TB-B2	Total/NA	Solid	8021B	12010
885-11527-9	TB-B3	Total/NA	Solid	8021B	12010
885-11527-10	TB-B4	Total/NA	Solid	8021B	12010
885-11527-11	TB-B6	Total/NA	Solid	8021B	12010
885-11527-12	TB-B7	Total/NA	Solid	8021B	12010
MB 885-12010/1-A	Method Blank	Total/NA	Solid	8021B	12010
LCS 885-12010/3-A	Lab Control Sample	Total/NA	Solid	8021B	12010

Analysis Batch: 12323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	8015M/D	12049
885-11527-14	TB-B9	Total/NA	Solid	8015M/D	12049
885-11527-15	TB-B-10A	Total/NA	Solid	8015M/D	12049
885-11527-16	TB-B11	Total/NA	Solid	8015M/D	12049

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC VOA (Continued)

Analysis Batch: 12323 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-17	TB-B12	Total/NA	Solid	8015M/D	12049
885-11527-18	TB-B13	Total/NA	Solid	8015M/D	12049
885-11527-19	TB-B14	Total/NA	Solid	8015M/D	12049
885-11527-20	TB-B15	Total/NA	Solid	8015M/D	12049
885-11527-21	TB-B16	Total/NA	Solid	8015M/D	12049
885-11527-22	TB-B17	Total/NA	Solid	8015M/D	12049
885-11527-23	TB-B18	Total/NA	Solid	8015M/D	12049
885-11527-24	TB-B-19A	Total/NA	Solid	8015M/D	12049
885-11527-25	TB-B-20A	Total/NA	Solid	8015M/D	12049
885-11527-26	TB-B21	Total/NA	Solid	8015M/D	12049
885-11527-27	TB-B22	Total/NA	Solid	8015M/D	12049
885-11527-28	TB-B-23A	Total/NA	Solid	8015M/D	12049
885-11527-29	TB-B26	Total/NA	Solid	8015M/D	12049
885-11527-30	TB-B27	Total/NA	Solid	8015M/D	12049
885-11527-31	TB-B28	Total/NA	Solid	8015M/D	12049
MB 885-12049/1-A	Method Blank	Total/NA	Solid	8015M/D	12049
LCS 885-12049/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12049

Analysis Batch: 12324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	8021B	12049
885-11527-14	TB-B9	Total/NA	Solid	8021B	12049
885-11527-15	TB-B-10A	Total/NA	Solid	8021B	12049
885-11527-16	TB-B11	Total/NA	Solid	8021B	12049
885-11527-17	TB-B12	Total/NA	Solid	8021B	12049
885-11527-18	TB-B13	Total/NA	Solid	8021B	12049
885-11527-19	TB-B14	Total/NA	Solid	8021B	12049
885-11527-20	TB-B15	Total/NA	Solid	8021B	12049
885-11527-21	TB-B16	Total/NA	Solid	8021B	12049
885-11527-22	TB-B17	Total/NA	Solid	8021B	12049
885-11527-23	TB-B18	Total/NA	Solid	8021B	12049
885-11527-24	TB-B-19A	Total/NA	Solid	8021B	12049
885-11527-25	TB-B-20A	Total/NA	Solid	8021B	12049
885-11527-26	TB-B21	Total/NA	Solid	8021B	12049
885-11527-27	TB-B22	Total/NA	Solid	8021B	12049
885-11527-28	TB-B-23A	Total/NA	Solid	8021B	12049
885-11527-29	TB-B26	Total/NA	Solid	8021B	12049
885-11527-30	TB-B27	Total/NA	Solid	8021B	12049
885-11527-31	TB-B28	Total/NA	Solid	8021B	12049
MB 885-12049/1-A	Method Blank	Total/NA	Solid	8021B	12049
LCS 885-12049/3-A	Lab Control Sample	Total/NA	Solid	8021B	12049
885-11527-13 MS	TB-B8	Total/NA	Solid	8021B	12049
885-11527-13 MSD	TB-B8	Total/NA	Solid	8021B	12049

Analysis Batch: 12422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-32	TB-B29	Total/NA	Solid	8015M/D	12079
885-11527-33	TB-B30	Total/NA	Solid	8015M/D	12079
885-11527-34	TB-B31	Total/NA	Solid	8015M/D	12079
885-11527-35	TB-B32	Total/NA	Solid	8015M/D	12079
885-11527-36	TB-B33	Total/NA	Solid	8015M/D	12079

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC VOA (Continued)

Analysis Batch: 12422 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-37	TB-B34	Total/NA	Solid	8015M/D	12079
885-11527-38	TB-B35	Total/NA	Solid	8015M/D	12079
885-11527-39	TB-B36	Total/NA	Solid	8015M/D	12079
885-11527-40	TB-B37	Total/NA	Solid	8015M/D	12079
MB 885-12079/1-A	Method Blank	Total/NA	Solid	8015M/D	12079
LCS 885-12079/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12079
885-11527-32 MS	TB-B29	Total/NA	Solid	8015M/D	12079
885-11527-32 MSD	TB-B29	Total/NA	Solid	8015M/D	12079

Analysis Batch: 12423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-32	TB-B29	Total/NA	Solid	8021B	12079
885-11527-33	TB-B30	Total/NA	Solid	8021B	12079
885-11527-34	TB-B31	Total/NA	Solid	8021B	12079
885-11527-35	TB-B32	Total/NA	Solid	8021B	12079
885-11527-36	TB-B33	Total/NA	Solid	8021B	12079
885-11527-37	TB-B34	Total/NA	Solid	8021B	12079
885-11527-38	TB-B35	Total/NA	Solid	8021B	12079
885-11527-39	TB-B36	Total/NA	Solid	8021B	12079
885-11527-40	TB-B37	Total/NA	Solid	8021B	12079
MB 885-12079/1-A	Method Blank	Total/NA	Solid	8021B	12079
LCS 885-12079/3-A	Lab Control Sample	Total/NA	Solid	8021B	12079
885-11527-33 MS	TB-B30	Total/NA	Solid	8021B	12079
885-11527-33 MSD	TB-B30	Total/NA	Solid	8021B	12079

GC Semi VOA

Prep Batch: 12145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	SHAKE	
885-11527-2	TB-W6A	Total/NA	Solid	SHAKE	
885-11527-3	TB-W8A	Total/NA	Solid	SHAKE	
885-11527-4	TB-W13A	Total/NA	Solid	SHAKE	
885-11527-5	TB-W14A	Total/NA	Solid	SHAKE	
885-11527-6	TB-W17A	Total/NA	Solid	SHAKE	
885-11527-7	TB-B1	Total/NA	Solid	SHAKE	
885-11527-8	TB-B2	Total/NA	Solid	SHAKE	
885-11527-9	TB-B3	Total/NA	Solid	SHAKE	
885-11527-10	TB-B4	Total/NA	Solid	SHAKE	
885-11527-11	TB-B6	Total/NA	Solid	SHAKE	
885-11527-12	TB-B7	Total/NA	Solid	SHAKE	
MB 885-12145/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12145/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 12209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-6	TB-W17A	Total/NA	Solid	8015M/D	12145
885-11527-7	TB-B1	Total/NA	Solid	8015M/D	12145
885-11527-8	TB-B2	Total/NA	Solid	8015M/D	12145
885-11527-9	TB-B3	Total/NA	Solid	8015M/D	12145
885-11527-10	TB-B4	Total/NA	Solid	8015M/D	12145

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC Semi VOA (Continued)

Analysis Batch: 12209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-11	TB-B6	Total/NA	Solid	8015M/D	12145
885-11527-12	TB-B7	Total/NA	Solid	8015M/D	12145
885-11527-13	TB-B8	Total/NA	Solid	8015M/D	12222
885-11527-14	TB-B9	Total/NA	Solid	8015M/D	12222
885-11527-15	TB-B-10A	Total/NA	Solid	8015M/D	12222
885-11527-16	TB-B11	Total/NA	Solid	8015M/D	12222
885-11527-17	TB-B12	Total/NA	Solid	8015M/D	12222
885-11527-18	TB-B13	Total/NA	Solid	8015M/D	12222
885-11527-19	TB-B14	Total/NA	Solid	8015M/D	12222
885-11527-20	TB-B15	Total/NA	Solid	8015M/D	12222
885-11527-21	TB-B16	Total/NA	Solid	8015M/D	12222
885-11527-22	TB-B17	Total/NA	Solid	8015M/D	12222
885-11527-23	TB-B18	Total/NA	Solid	8015M/D	12222
885-11527-24	TB-B-19A	Total/NA	Solid	8015M/D	12222
885-11527-25	TB-B-20A	Total/NA	Solid	8015M/D	12222
885-11527-26	TB-B21	Total/NA	Solid	8015M/D	12222
885-11527-27	TB-B22	Total/NA	Solid	8015M/D	12222
885-11527-28	TB-B-23A	Total/NA	Solid	8015M/D	12222
885-11527-29	TB-B26	Total/NA	Solid	8015M/D	12222
885-11527-30	TB-B27	Total/NA	Solid	8015M/D	12222
885-11527-31	TB-B28	Total/NA	Solid	8015M/D	12222
MB 885-12145/1-A	Method Blank	Total/NA	Solid	8015M/D	12145
MB 885-12222/1-A	Method Blank	Total/NA	Solid	8015M/D	12222
LCS 885-12145/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12145
LCS 885-12222/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12222
885-11527-31 MS	TB-B28	Total/NA	Solid	8015M/D	12222
885-11527-31 MSD	TB-B28	Total/NA	Solid	8015M/D	12222

Prep Batch: 12222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	SHAKE	
885-11527-14	TB-B9	Total/NA	Solid	SHAKE	
885-11527-15	TB-B-10A	Total/NA	Solid	SHAKE	
885-11527-16	TB-B11	Total/NA	Solid	SHAKE	
885-11527-17	TB-B12	Total/NA	Solid	SHAKE	
885-11527-18	TB-B13	Total/NA	Solid	SHAKE	
885-11527-19	TB-B14	Total/NA	Solid	SHAKE	
885-11527-20	TB-B15	Total/NA	Solid	SHAKE	
885-11527-21	TB-B16	Total/NA	Solid	SHAKE	
885-11527-22	TB-B17	Total/NA	Solid	SHAKE	
885-11527-23	TB-B18	Total/NA	Solid	SHAKE	
885-11527-24	TB-B-19A	Total/NA	Solid	SHAKE	
885-11527-25	TB-B-20A	Total/NA	Solid	SHAKE	
885-11527-26	TB-B21	Total/NA	Solid	SHAKE	
885-11527-27	TB-B22	Total/NA	Solid	SHAKE	
885-11527-28	TB-B-23A	Total/NA	Solid	SHAKE	
885-11527-29	TB-B26	Total/NA	Solid	SHAKE	
885-11527-30	TB-B27	Total/NA	Solid	SHAKE	
885-11527-31	TB-B28	Total/NA	Solid	SHAKE	
MB 885-12222/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12222/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-11527-1

GC Semi VOA (Continued)

Prep Batch: 12222 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-31 MS	TB-B28	Total/NA	Solid	SHAKE	
885-11527-31 MSD	TB-B28	Total/NA	Solid	SHAKE	

Prep Batch: 12236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-32	TB-B29	Total/NA	Solid	SHAKE	
885-11527-33	TB-B30	Total/NA	Solid	SHAKE	
885-11527-34	TB-B31	Total/NA	Solid	SHAKE	
885-11527-35	TB-B32	Total/NA	Solid	SHAKE	
885-11527-36	TB-B33	Total/NA	Solid	SHAKE	
885-11527-37	TB-B34	Total/NA	Solid	SHAKE	
885-11527-38	TB-B35	Total/NA	Solid	SHAKE	
885-11527-39	TB-B36	Total/NA	Solid	SHAKE	
885-11527-40	TB-B37	Total/NA	Solid	SHAKE	
MB 885-12236/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-12236/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 12287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-32	TB-B29	Total/NA	Solid	8015M/D	12236
885-11527-33	TB-B30	Total/NA	Solid	8015M/D	12236
885-11527-34	TB-B31	Total/NA	Solid	8015M/D	12236
885-11527-35	TB-B32	Total/NA	Solid	8015M/D	12236
885-11527-36	TB-B33	Total/NA	Solid	8015M/D	12236
885-11527-37	TB-B34	Total/NA	Solid	8015M/D	12236
885-11527-38	TB-B35	Total/NA	Solid	8015M/D	12236
885-11527-39	TB-B36	Total/NA	Solid	8015M/D	12236
885-11527-40	TB-B37	Total/NA	Solid	8015M/D	12236
MB 885-12236/1-A	Method Blank	Total/NA	Solid	8015M/D	12236
LCS 885-12236/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	12236

Analysis Batch: 12307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	8015M/D	12145
885-11527-2	TB-W6A	Total/NA	Solid	8015M/D	12145
885-11527-3	TB-W8A	Total/NA	Solid	8015M/D	12145
885-11527-4	TB-W13A	Total/NA	Solid	8015M/D	12145
885-11527-5	TB-W14A	Total/NA	Solid	8015M/D	12145

HPLC/IC

Prep Batch: 12213

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	300_Prep	
885-11527-2	TB-W6A	Total/NA	Solid	300_Prep	
885-11527-3	TB-W8A	Total/NA	Solid	300_Prep	
885-11527-4	TB-W13A	Total/NA	Solid	300_Prep	
885-11527-5	TB-W14A	Total/NA	Solid	300_Prep	
885-11527-6	TB-W17A	Total/NA	Solid	300_Prep	
885-11527-7	TB-B1	Total/NA	Solid	300_Prep	
885-11527-8	TB-B2	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

HPLC/IC (Continued)

Prep Batch: 12213 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-9	TB-B3	Total/NA	Solid	300_Prep	
885-11527-10	TB-B4	Total/NA	Solid	300_Prep	
885-11527-11	TB-B6	Total/NA	Solid	300_Prep	
885-11527-12	TB-B7	Total/NA	Solid	300_Prep	
MB 885-12213/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12213/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-11527-3 MS	TB-W8A	Total/NA	Solid	300_Prep	
885-11527-3 MSD	TB-W8A	Total/NA	Solid	300_Prep	

Analysis Batch: 12227

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-12213/1-A	Method Blank	Total/NA	Solid	300.0	12213

Prep Batch: 12240

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	300_Prep	
885-11527-14	TB-B9	Total/NA	Solid	300_Prep	
885-11527-15	TB-B-10A	Total/NA	Solid	300_Prep	
885-11527-16	TB-B11	Total/NA	Solid	300_Prep	
885-11527-17	TB-B12	Total/NA	Solid	300_Prep	
885-11527-18	TB-B13	Total/NA	Solid	300_Prep	
885-11527-19	TB-B14	Total/NA	Solid	300_Prep	
885-11527-20	TB-B15	Total/NA	Solid	300_Prep	
885-11527-21	TB-B16	Total/NA	Solid	300_Prep	
885-11527-22	TB-B17	Total/NA	Solid	300_Prep	
885-11527-23	TB-B18	Total/NA	Solid	300_Prep	
885-11527-24	TB-B-19A	Total/NA	Solid	300_Prep	
885-11527-25	TB-B-20A	Total/NA	Solid	300_Prep	
885-11527-26	TB-B21	Total/NA	Solid	300_Prep	
MB 885-12240/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12240/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-11527-25 MS	TB-B-20A	Total/NA	Solid	300_Prep	
885-11527-25 MSD	TB-B-20A	Total/NA	Solid	300_Prep	

Analysis Batch: 12262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-13	TB-B8	Total/NA	Solid	300.0	12240
885-11527-14	TB-B9	Total/NA	Solid	300.0	12240
885-11527-15	TB-B-10A	Total/NA	Solid	300.0	12240
885-11527-16	TB-B11	Total/NA	Solid	300.0	12240
885-11527-17	TB-B12	Total/NA	Solid	300.0	12240
885-11527-18	TB-B13	Total/NA	Solid	300.0	12240
885-11527-19	TB-B14	Total/NA	Solid	300.0	12240
885-11527-20	TB-B15	Total/NA	Solid	300.0	12240
885-11527-21	TB-B16	Total/NA	Solid	300.0	12240
885-11527-22	TB-B17	Total/NA	Solid	300.0	12240
885-11527-23	TB-B18	Total/NA	Solid	300.0	12240
885-11527-24	TB-B-19A	Total/NA	Solid	300.0	12240
885-11527-25	TB-B-20A	Total/NA	Solid	300.0	12240
885-11527-26	TB-B21	Total/NA	Solid	300.0	12240
MB 885-12240/1-A	Method Blank	Total/NA	Solid	300.0	12240

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-11527-1

HPLC/IC (Continued)

Analysis Batch: 12262 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-12240/2-A	Lab Control Sample	Total/NA	Solid	300.0	12240
885-11527-25 MS	TB-B-20A	Total/NA	Solid	300.0	12240
885-11527-25 MSD	TB-B-20A	Total/NA	Solid	300.0	12240

Prep Batch: 12269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-27	TB-B22	Total/NA	Solid	300_Prep	
885-11527-28	TB-B-23A	Total/NA	Solid	300_Prep	
885-11527-29	TB-B26	Total/NA	Solid	300_Prep	
885-11527-30	TB-B27	Total/NA	Solid	300_Prep	
885-11527-31	TB-B28	Total/NA	Solid	300_Prep	
885-11527-32	TB-B29	Total/NA	Solid	300_Prep	
885-11527-33	TB-B30	Total/NA	Solid	300_Prep	
MB 885-12269/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12269/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Prep Batch: 12270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-34	TB-B31	Total/NA	Solid	300_Prep	
885-11527-35	TB-B32	Total/NA	Solid	300_Prep	
885-11527-36	TB-B33	Total/NA	Solid	300_Prep	
885-11527-37	TB-B34	Total/NA	Solid	300_Prep	
885-11527-38	TB-B35	Total/NA	Solid	300_Prep	
885-11527-39	TB-B36	Total/NA	Solid	300_Prep	
885-11527-40	TB-B37	Total/NA	Solid	300_Prep	
MB 885-12270/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-12270/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-11527-34 MSD	TB-B31	Total/NA	Solid	300_Prep	
885-11527-35 MS	TB-B32	Total/NA	Solid	300_Prep	

Analysis Batch: 12327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-27	TB-B22	Total/NA	Solid	300.0	12269
885-11527-28	TB-B-23A	Total/NA	Solid	300.0	12269
885-11527-29	TB-B26	Total/NA	Solid	300.0	12269
885-11527-30	TB-B27	Total/NA	Solid	300.0	12269
885-11527-31	TB-B28	Total/NA	Solid	300.0	12269
885-11527-32	TB-B29	Total/NA	Solid	300.0	12269
885-11527-33	TB-B30	Total/NA	Solid	300.0	12269
885-11527-34	TB-B31	Total/NA	Solid	300.0	12270
885-11527-35	TB-B32	Total/NA	Solid	300.0	12270
885-11527-36	TB-B33	Total/NA	Solid	300.0	12270
885-11527-37	TB-B34	Total/NA	Solid	300.0	12270
885-11527-38	TB-B35	Total/NA	Solid	300.0	12270
885-11527-39	TB-B36	Total/NA	Solid	300.0	12270
885-11527-40	TB-B37	Total/NA	Solid	300.0	12270
MB 885-12269/1-A	Method Blank	Total/NA	Solid	300.0	12269
MB 885-12270/1-A	Method Blank	Total/NA	Solid	300.0	12270
LCS 885-12269/2-A	Lab Control Sample	Total/NA	Solid	300.0	12269
LCS 885-12270/2-A	Lab Control Sample	Total/NA	Solid	300.0	12270
885-11527-34 MSD	TB-B31	Total/NA	Solid	300.0	12270

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

HPLC/IC (Continued)

Analysis Batch: 12327 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-35 MS	TB-B32	Total/NA	Solid	300.0	12270

Analysis Batch: 12355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-11527-1	TB-W4A	Total/NA	Solid	300.0	12213
885-11527-2	TB-W6A	Total/NA	Solid	300.0	12213
885-11527-3	TB-W8A	Total/NA	Solid	300.0	12213
885-11527-4	TB-W13A	Total/NA	Solid	300.0	12213
885-11527-5	TB-W14A	Total/NA	Solid	300.0	12213
885-11527-6	TB-W17A	Total/NA	Solid	300.0	12213
885-11527-7	TB-B1	Total/NA	Solid	300.0	12213
885-11527-8	TB-B2	Total/NA	Solid	300.0	12213
885-11527-9	TB-B3	Total/NA	Solid	300.0	12213
885-11527-10	TB-B4	Total/NA	Solid	300.0	12213
885-11527-11	TB-B6	Total/NA	Solid	300.0	12213
885-11527-12	TB-B7	Total/NA	Solid	300.0	12213
MB 885-12213/1-A	Method Blank	Total/NA	Solid	300.0	12213
LCS 885-12213/2-A	Lab Control Sample	Total/NA	Solid	300.0	12213
885-11527-3 MS	TB-W8A	Total/NA	Solid	300.0	12213
885-11527-3 MSD	TB-W8A	Total/NA	Solid	300.0	12213

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W4A

Lab Sample ID: 885-11527-1

Date Collected: 09/09/24 09:30

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 07:00
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 07:00
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12307	KR	EET ALB	09/16/24 13:20
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 10:14

Client Sample ID: TB-W6A

Lab Sample ID: 885-11527-2

Date Collected: 09/09/24 09:34

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 07:22
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 07:22
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12307	KR	EET ALB	09/16/24 13:44
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 10:29

Client Sample ID: TB-W8A

Lab Sample ID: 885-11527-3

Date Collected: 09/09/24 09:36

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 08:06
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 08:06
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12307	KR	EET ALB	09/16/24 14:08
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 10:44

Client Sample ID: TB-W13A

Lab Sample ID: 885-11527-4

Date Collected: 09/09/24 09:40

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 08:27

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-W13A

Lab Sample ID: 885-11527-4

Date Collected: 09/09/24 09:40

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 08:27
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12307	KR	EET ALB	09/16/24 14:32
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 12:15

Client Sample ID: TB-W14A

Lab Sample ID: 885-11527-5

Date Collected: 09/09/24 09:44

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 08:49
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 08:49
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12307	KR	EET ALB	09/16/24 14:55
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 12:30

Client Sample ID: TB-W17A

Lab Sample ID: 885-11527-6

Date Collected: 09/09/24 09:46

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 09:11
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 09:11
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 22:26
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 12:45

Client Sample ID: TB-B1

Lab Sample ID: 885-11527-7

Date Collected: 09/09/24 10:10

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 09:33
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 09:33

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B1

Lab Sample ID: 885-11527-7

Date Collected: 09/09/24 10:10

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 22:39
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 13:00

Client Sample ID: TB-B2

Lab Sample ID: 885-11527-8

Date Collected: 09/09/24 10:12

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 09:55
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 09:55
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 23:04
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 13:16

Client Sample ID: TB-B3

Lab Sample ID: 885-11527-9

Date Collected: 09/09/24 10:14

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 10:17
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 10:17
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 23:17
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 13:31

Client Sample ID: TB-B4

Lab Sample ID: 885-11527-10

Date Collected: 09/09/24 10:16

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 10:39
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 10:39
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 23:29

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B4

Lab Sample ID: 885-11527-10

Date Collected: 09/09/24 10:16

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 13:46

Client Sample ID: TB-B6

Lab Sample ID: 885-11527-11

Date Collected: 09/09/24 10:20

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 11:00
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 11:00
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 23:42
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 14:01

Client Sample ID: TB-B7

Lab Sample ID: 885-11527-12

Date Collected: 09/09/24 10:24

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8015M/D		1	12296	AT	EET ALB	09/14/24 11:22
Total/NA	Prep	5030C			12010	JP	EET ALB	09/11/24 11:28
Total/NA	Analysis	8021B		1	12297	AT	EET ALB	09/14/24 11:22
Total/NA	Prep	SHAKE			12145	EM	EET ALB	09/12/24 15:11
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 23:54
Total/NA	Prep	300_Prep			12213	EH	EET ALB	09/13/24 10:05
Total/NA	Analysis	300.0		20	12355	JT	EET ALB	09/16/24 15:17

Client Sample ID: TB-B8

Lab Sample ID: 885-11527-13

Date Collected: 09/09/24 10:26

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/16/24 23:58
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/16/24 23:58
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 15:47
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 16:26

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B9

Lab Sample ID: 885-11527-14

Date Collected: 09/09/24 10:30

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 01:09
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 01:09
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 16:00
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 16:41

Client Sample ID: TB-B-10A

Lab Sample ID: 885-11527-15

Date Collected: 09/09/24 10:34

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 01:32
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 01:32
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 16:12
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 16:56

Client Sample ID: TB-B11

Lab Sample ID: 885-11527-16

Date Collected: 09/09/24 10:36

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 01:55
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 01:55
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 16:24
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 17:11

Client Sample ID: TB-B12

Lab Sample ID: 885-11527-17

Date Collected: 09/09/24 10:38

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 02:19

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B12

Lab Sample ID: 885-11527-17

Date Collected: 09/09/24 10:38

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 02:19
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 16:36
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 17:26

Client Sample ID: TB-B13

Lab Sample ID: 885-11527-18

Date Collected: 09/09/24 10:40

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 02:42
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 02:42
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 16:48
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 18:42

Client Sample ID: TB-B14

Lab Sample ID: 885-11527-19

Date Collected: 09/09/24 10:44

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 03:06
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 03:06
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 17:00
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 18:57

Client Sample ID: TB-B15

Lab Sample ID: 885-11527-20

Date Collected: 09/09/24 10:48

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 03:29
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 03:29

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B15

Lab Sample ID: 885-11527-20

Date Collected: 09/09/24 10:48

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 17:12
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 19:13

Client Sample ID: TB-B16

Lab Sample ID: 885-11527-21

Date Collected: 09/09/24 10:54

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 03:53
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 03:53
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 17:25
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 19:28

Client Sample ID: TB-B17

Lab Sample ID: 885-11527-22

Date Collected: 09/09/24 10:56

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 04:40
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 04:40
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 17:37
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 19:43

Client Sample ID: TB-B18

Lab Sample ID: 885-11527-23

Date Collected: 09/09/24 11:00

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 05:03
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 05:03
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 18:03

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B18

Lab Sample ID: 885-11527-23

Date Collected: 09/09/24 11:00

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 19:58

Client Sample ID: TB-B-19A

Lab Sample ID: 885-11527-24

Date Collected: 09/09/24 11:10

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 05:26
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 05:26
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 18:15
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 20:13

Client Sample ID: TB-B-20A

Lab Sample ID: 885-11527-25

Date Collected: 09/09/24 11:14

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 05:50
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 05:50
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 18:28
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 20:28

Client Sample ID: TB-B21

Lab Sample ID: 885-11527-26

Date Collected: 09/09/24 11:20

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 06:13
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 06:13
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 18:41
Total/NA	Prep	300_Prep			12240	EH	EET ALB	09/13/24 15:01
Total/NA	Analysis	300.0		20	12262	EH	EET ALB	09/13/24 21:44

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B22

Lab Sample ID: 885-11527-27

Date Collected: 09/09/24 11:22

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 06:37
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 06:37
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 18:53
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 08:51

Client Sample ID: TB-B-23A

Lab Sample ID: 885-11527-28

Date Collected: 09/09/24 11:26

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 07:00
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 07:00
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 19:06
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 09:29

Client Sample ID: TB-B26

Lab Sample ID: 885-11527-29

Date Collected: 09/09/24 11:30

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 07:24
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 07:24
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 19:18
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 10:08

Client Sample ID: TB-B27

Lab Sample ID: 885-11527-30

Date Collected: 09/09/24 11:40

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 07:47

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B27

Lab Sample ID: 885-11527-30

Date Collected: 09/09/24 11:40

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 07:47
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 19:31
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 10:21

Client Sample ID: TB-B28

Lab Sample ID: 885-11527-31

Date Collected: 09/09/24 11:42

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8015M/D		1	12323	JP	EET ALB	09/17/24 08:11
Total/NA	Prep	5030C			12049	JR	EET ALB	09/11/24 13:20
Total/NA	Analysis	8021B		1	12324	JP	EET ALB	09/17/24 08:11
Total/NA	Prep	SHAKE			12222	KR	EET ALB	09/13/24 10:51
Total/NA	Analysis	8015M/D		1	12209	KR	EET ALB	09/13/24 19:43
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 10:59

Client Sample ID: TB-B29

Lab Sample ID: 885-11527-32

Date Collected: 09/09/24 12:00

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/17/24 22:31
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/17/24 22:31
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 16:07
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 11:12

Client Sample ID: TB-B30

Lab Sample ID: 885-11527-33

Date Collected: 09/09/24 12:02

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/17/24 23:41
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/17/24 23:41

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B30

Lab Sample ID: 885-11527-33

Date Collected: 09/09/24 12:02

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 16:18
Total/NA	Prep	300_Prep			12269	JT	EET ALB	09/16/24 07:46
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 11:25

Client Sample ID: TB-B31

Lab Sample ID: 885-11527-34

Date Collected: 09/09/24 12:04

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 00:52
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 00:52
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 16:28
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 15:17

Client Sample ID: TB-B32

Lab Sample ID: 885-11527-35

Date Collected: 09/09/24 12:06

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 01:15
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 01:15
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 16:39
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 16:22

Client Sample ID: TB-B33

Lab Sample ID: 885-11527-36

Date Collected: 09/09/24 12:08

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 01:39
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 01:39
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 16:50

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B33

Lab Sample ID: 885-11527-36

Date Collected: 09/09/24 12:08

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 17:00

Client Sample ID: TB-B34

Lab Sample ID: 885-11527-37

Date Collected: 09/09/24 12:10

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 02:02
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 02:02
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 17:01
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 17:13

Client Sample ID: TB-B35

Lab Sample ID: 885-11527-38

Date Collected: 09/09/24 12:14

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 02:26
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 02:26
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 17:12
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 17:26

Client Sample ID: TB-B36

Lab Sample ID: 885-11527-39

Date Collected: 09/09/24 12:16

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 02:49
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 02:49
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 17:22
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 17:39

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-11527-1

Client Sample ID: TB-B37

Lab Sample ID: 885-11527-40

Date Collected: 09/09/24 12:18

Matrix: Solid

Date Received: 09/11/24 07:50

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8015M/D		1	12422	JP	EET ALB	09/18/24 03:13
Total/NA	Prep	5030C			12079	JP	EET ALB	09/11/24 16:09
Total/NA	Analysis	8021B		1	12423	JP	EET ALB	09/18/24 03:13
Total/NA	Prep	SHAKE			12236	KR	EET ALB	09/13/24 13:24
Total/NA	Analysis	8015M/D		1	12287	EM	EET ALB	09/16/24 17:44
Total/NA	Prep	300_Prep			12270	JT	EET ALB	09/16/24 08:10
Total/NA	Analysis	300.0		20	12327	MA	EET ALB	09/16/24 17:52

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975



Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-11527-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com
 QA/QC Package: Standard Level 4 (Full Validation)
 Accreditation: Az Compliance Other
 NELAC Other
 EDD (Type) Excel

Turn-Around Time: Standard Rush 5 DAY TAT
 Project Name: Ray SWD #3
 Project #: 5375
 Project Manager: W. Kierdorf
 Sampler: J. Martinez Chusky
 On Ice: Yes No
 # of Coolers: 1
 Cooler Temp (including CF): 0.3 + 0.5 = 0.8



**HALL ENVIRONME
ANALYSIS LABORATORY**

4901 Hawkins NE - Albuquerque, NM 87109
 Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

BTEX (8021)
 TPH:8015D(GRO / DRO / MRO)
 Chloride (EPA 300)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
9/9/24	0930	SOIL	TB-W4A	1x4oz Jar	ICE	1
	0934		TB-W6A			2
	0936		TB-W8A			3
	0940		TB-W13A			4
	0944		TB-W14A			5
	0946		TB-W17A			6
	1010		TB-B1			7
	1012		TB-B2			8
	1014		TB-B3			9
	1016		TB-B4			10
	1020		TB-B6			11
	1024		TB-B7			12

Remarks: Bill to EOG Artesia

Received by: [Signature] Date: 9/10/24 Time: 9:00
 Received by: Via Courier Date: 9/10/24 Time: 7:35

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:

Standard Rush 5 DAY T4T

Project Name:

Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: JIMartinez

On Ice: Yes No *chubby*

of Coolers: 1

Cooler Temp (including cF): 0.3 + 0.5 = 0.8 °C

Container Type and #

1x4oz Jar

Preservative Type

ICE

HEAL No.

25

26

27

28

29

30

31

32

33

34

35

36

Received by: *Will* Date: 9/10/24 Time: 9:00

Received by: *Will* Date: 9/10/24 Time: 7:50

Remarks: Bill to EOG Artesia

TFH:8015D(GRO / DRO / MRO)

Chloride (EPA 300)

Y

X

X

X

X

X

X

X

X

X

X

X

X

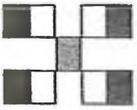
X

X

X

X

Analysis Request



HALL ENVIRONMENTAL ANALYSIS LABORATORY

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-11527-1

Login Number: 11527

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

- 1
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 10/11/2024 3:44:47 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-13233-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
10/11/2024 3:44:47 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-13233-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13233-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-13233-1

Job ID: 885-13233-1

Eurofins Albuquerque

Job Narrative 885-13233-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/5/2024 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-13871 recovered outside acceptance criteria, low biased, for Diesel Range Organics [C10-C28]. Samples with low surrogate will be re-ran. The following samples are associated TB-B4A (885-13233-1), TB-B14A (885-13233-2), TB-B20B (885-13233-3), TB-35A (885-13233-4), TB-B36A (885-13233-5), TB-B27A (885-13233-6), TB-B38A (885-13233-7), TB-B39 (885-13233-8), TB-B40 (885-13233-9), TB-B45 (885-13233-10) and (CCV 885-13871/34).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B4A

Lab Sample ID: 885-13233-1

Date Collected: 10/03/24 13:30

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 10:48	10/10/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/08/24 10:48	10/10/24 15:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 10:48	10/10/24 15:34	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 10:48	10/10/24 15:34	1
Toluene	ND		0.050	mg/Kg		10/08/24 10:48	10/10/24 15:34	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 10:48	10/10/24 15:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 10:48	10/10/24 15:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/08/24 11:46	10/08/24 18:28	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/08/24 11:46	10/08/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			10/08/24 11:46	10/08/24 18:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		10/08/24 12:40	10/08/24 17:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B14A

Lab Sample ID: 885-13233-2

Date Collected: 10/03/24 13:32

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 10:48	10/10/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 10:48	10/10/24 15:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 10:48	10/10/24 15:57	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 15:57	1
Toluene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 15:57	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 10:48	10/10/24 15:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 10:48	10/10/24 15:57	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/08/24 11:46	10/08/24 18:50	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/08/24 11:46	10/08/24 18:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			10/08/24 11:46	10/08/24 18:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		60	mg/Kg		10/08/24 12:40	10/08/24 17:16	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B20B

Lab Sample ID: 885-13233-3

Date Collected: 10/03/24 13:34

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 10:48	10/10/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			10/08/24 10:48	10/10/24 16:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 10:48	10/10/24 16:20	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 16:20	1
Toluene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 16:20	1
Xylenes, Total	ND		0.099	mg/Kg		10/08/24 10:48	10/10/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/08/24 10:48	10/10/24 16:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/08/24 11:46	10/08/24 19:01	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/08/24 11:46	10/08/24 19:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			10/08/24 11:46	10/08/24 19:01	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	900		60	mg/Kg		10/08/24 12:40	10/08/24 17:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-35A

Lab Sample ID: 885-13233-4

Date Collected: 10/03/24 13:40

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/08/24 10:48	10/10/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/08/24 10:48	10/10/24 16:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/08/24 10:48	10/10/24 16:44	1
Ethylbenzene	ND		0.047	mg/Kg		10/08/24 10:48	10/10/24 16:44	1
Toluene	ND		0.047	mg/Kg		10/08/24 10:48	10/10/24 16:44	1
Xylenes, Total	ND		0.094	mg/Kg		10/08/24 10:48	10/10/24 16:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			10/08/24 10:48	10/10/24 16:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		10/08/24 11:46	10/08/24 19:13	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/08/24 11:46	10/08/24 19:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	78		62 - 134			10/08/24 11:46	10/08/24 19:13	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		150	mg/Kg		10/08/24 12:40	10/09/24 19:27	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B36A

Lab Sample ID: 885-13233-5

Date Collected: 10/03/24 13:46

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 10:48	10/10/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/08/24 10:48	10/10/24 17:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 10:48	10/10/24 17:07	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 17:07	1
Toluene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 17:07	1
Xylenes, Total	ND		0.099	mg/Kg		10/08/24 10:48	10/10/24 17:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/08/24 10:48	10/10/24 17:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/08/24 11:46	10/08/24 19:24	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 11:46	10/08/24 19:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	70		62 - 134			10/08/24 11:46	10/08/24 19:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	970		60	mg/Kg		10/08/24 12:40	10/08/24 17:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B27A

Lab Sample ID: 885-13233-6

Date Collected: 10/03/24 14:00

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/08/24 10:48	10/10/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		35 - 166			10/08/24 10:48	10/10/24 17:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 10:48	10/10/24 17:31	1
Ethylbenzene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 17:31	1
Toluene	ND		0.049	mg/Kg		10/08/24 10:48	10/10/24 17:31	1
Xylenes, Total	ND		0.098	mg/Kg		10/08/24 10:48	10/10/24 17:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			10/08/24 10:48	10/10/24 17:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		10/08/24 11:46	10/08/24 19:35	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 11:46	10/08/24 19:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	75		62 - 134			10/08/24 11:46	10/08/24 19:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7000		300	mg/Kg		10/08/24 12:40	10/09/24 20:41	100

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B38A

Lab Sample ID: 885-13233-7

Date Collected: 10/03/24 14:02

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/08/24 10:48	10/10/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			10/08/24 10:48	10/10/24 17:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/08/24 10:48	10/10/24 17:54	1
Ethylbenzene	ND		0.047	mg/Kg		10/08/24 10:48	10/10/24 17:54	1
Toluene	ND		0.047	mg/Kg		10/08/24 10:48	10/10/24 17:54	1
Xylenes, Total	ND		0.093	mg/Kg		10/08/24 10:48	10/10/24 17:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 10:48	10/10/24 17:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		10/08/24 11:46	10/08/24 19:46	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/08/24 11:46	10/08/24 19:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	72		62 - 134			10/08/24 11:46	10/08/24 19:46	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	65		60	mg/Kg		10/08/24 12:40	10/08/24 18:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B39

Lab Sample ID: 885-13233-8

Date Collected: 10/03/24 14:04

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 10:48	10/10/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/08/24 10:48	10/10/24 18:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 10:48	10/10/24 18:18	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 18:18	1
Toluene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 18:18	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 10:48	10/10/24 18:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			10/08/24 10:48	10/10/24 18:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		10/08/24 11:46	10/08/24 19:57	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		10/08/24 11:46	10/08/24 19:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	74		62 - 134			10/08/24 11:46	10/08/24 19:57	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66		60	mg/Kg		10/08/24 12:40	10/08/24 18:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B40

Lab Sample ID: 885-13233-9

Date Collected: 10/03/24 14:06

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		10/08/24 10:48	10/10/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			10/08/24 10:48	10/10/24 18:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/08/24 10:48	10/10/24 18:41	1
Ethylbenzene	ND		0.046	mg/Kg		10/08/24 10:48	10/10/24 18:41	1
Toluene	ND		0.046	mg/Kg		10/08/24 10:48	10/10/24 18:41	1
Xylenes, Total	ND		0.093	mg/Kg		10/08/24 10:48	10/10/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			10/08/24 10:48	10/10/24 18:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/08/24 11:46	10/08/24 20:08	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/08/24 11:46	10/08/24 20:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	77		62 - 134			10/08/24 11:46	10/08/24 20:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82		60	mg/Kg		10/08/24 12:40	10/08/24 18:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B45

Lab Sample ID: 885-13233-10

Date Collected: 10/03/24 14:10

Matrix: Solid

Date Received: 10/05/24 09:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		10/08/24 10:48	10/10/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			10/08/24 10:48	10/10/24 19:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/08/24 10:48	10/10/24 19:05	1
Ethylbenzene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 19:05	1
Toluene	ND		0.048	mg/Kg		10/08/24 10:48	10/10/24 19:05	1
Xylenes, Total	ND		0.096	mg/Kg		10/08/24 10:48	10/10/24 19:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/08/24 10:48	10/10/24 19:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.6	mg/Kg		10/08/24 11:46	10/08/24 20:19	1
Motor Oil Range Organics [C28-C40]	ND		43	mg/Kg		10/08/24 11:46	10/08/24 20:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	79		62 - 134			10/08/24 11:46	10/08/24 20:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77		60	mg/Kg		10/08/24 12:40	10/08/24 18:55	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-13884/1-A
 Matrix: Solid
 Analysis Batch: 14083

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13884

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		10/08/24 10:48	10/10/24 10:39	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			10/08/24 10:48	10/10/24 10:39	1

Lab Sample ID: LCS 885-13884/2-A
 Matrix: Solid
 Analysis Batch: 14083

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	23.8		mg/Kg		95	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	205		35 - 166				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-13884/1-A
 Matrix: Solid
 Analysis Batch: 14084

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13884

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/08/24 10:48	10/10/24 10:39	1
Ethylbenzene	ND		0.050	mg/Kg		10/08/24 10:48	10/10/24 10:39	1
Toluene	ND		0.050	mg/Kg		10/08/24 10:48	10/10/24 10:39	1
Xylenes, Total	ND		0.10	mg/Kg		10/08/24 10:48	10/10/24 10:39	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			10/08/24 10:48	10/10/24 10:39	1

Lab Sample ID: LCS 885-13884/3-A
 Matrix: Solid
 Analysis Batch: 14084

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13884

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.983		mg/Kg		98	70 - 130
Ethylbenzene	1.00	0.988		mg/Kg		99	70 - 130
Toluene	1.00	0.961		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	2.00	1.96		mg/Kg		98	70 - 130
o-Xylene	1.00	0.962		mg/Kg		96	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	107		48 - 145				

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-13886/1-A
 Matrix: Solid
 Analysis Batch: 13871

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13886

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/08/24 11:46	10/08/24 17:23	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/08/24 11:46	10/08/24 17:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134	10/08/24 11:46	10/08/24 17:23	1

Lab Sample ID: LCS 885-13886/2-A
 Matrix: Solid
 Analysis Batch: 13871

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13886

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	42.4		mg/Kg		85	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	85		62 - 134

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-13889/1-A
 Matrix: Solid
 Analysis Batch: 13948

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 13889

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		10/08/24 12:40	10/08/24 14:36	1

Lab Sample ID: LCS 885-13889/2-A
 Matrix: Solid
 Analysis Batch: 13948

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 13889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.3		mg/Kg		98	90 - 110

Lab Sample ID: MRL 885-13984/61
 Matrix: Solid
 Analysis Batch: 13984

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.530		mg/L		106	50 - 150

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

GC VOA

Prep Batch: 13884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	5030C	
885-13233-2	TB-B14A	Total/NA	Solid	5030C	
885-13233-3	TB-B20B	Total/NA	Solid	5030C	
885-13233-4	TB-35A	Total/NA	Solid	5030C	
885-13233-5	TB-B36A	Total/NA	Solid	5030C	
885-13233-6	TB-B27A	Total/NA	Solid	5030C	
885-13233-7	TB-B38A	Total/NA	Solid	5030C	
885-13233-8	TB-B39	Total/NA	Solid	5030C	
885-13233-9	TB-B40	Total/NA	Solid	5030C	
885-13233-10	TB-B45	Total/NA	Solid	5030C	
MB 885-13884/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-13884/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-13884/3-A	Lab Control Sample	Total/NA	Solid	5030C	

Analysis Batch: 14083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	8015M/D	13884
885-13233-2	TB-B14A	Total/NA	Solid	8015M/D	13884
885-13233-3	TB-B20B	Total/NA	Solid	8015M/D	13884
885-13233-4	TB-35A	Total/NA	Solid	8015M/D	13884
885-13233-5	TB-B36A	Total/NA	Solid	8015M/D	13884
885-13233-6	TB-B27A	Total/NA	Solid	8015M/D	13884
885-13233-7	TB-B38A	Total/NA	Solid	8015M/D	13884
885-13233-8	TB-B39	Total/NA	Solid	8015M/D	13884
885-13233-9	TB-B40	Total/NA	Solid	8015M/D	13884
885-13233-10	TB-B45	Total/NA	Solid	8015M/D	13884
MB 885-13884/1-A	Method Blank	Total/NA	Solid	8015M/D	13884
LCS 885-13884/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13884

Analysis Batch: 14084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	8021B	13884
885-13233-2	TB-B14A	Total/NA	Solid	8021B	13884
885-13233-3	TB-B20B	Total/NA	Solid	8021B	13884
885-13233-4	TB-35A	Total/NA	Solid	8021B	13884
885-13233-5	TB-B36A	Total/NA	Solid	8021B	13884
885-13233-6	TB-B27A	Total/NA	Solid	8021B	13884
885-13233-7	TB-B38A	Total/NA	Solid	8021B	13884
885-13233-8	TB-B39	Total/NA	Solid	8021B	13884
885-13233-9	TB-B40	Total/NA	Solid	8021B	13884
885-13233-10	TB-B45	Total/NA	Solid	8021B	13884
MB 885-13884/1-A	Method Blank	Total/NA	Solid	8021B	13884
LCS 885-13884/3-A	Lab Control Sample	Total/NA	Solid	8021B	13884

GC Semi VOA

Analysis Batch: 13871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	8015M/D	13886
885-13233-2	TB-B14A	Total/NA	Solid	8015M/D	13886
885-13233-3	TB-B20B	Total/NA	Solid	8015M/D	13886

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13233-1

GC Semi VOA (Continued)

Analysis Batch: 13871 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-4	TB-35A	Total/NA	Solid	8015M/D	13886
885-13233-5	TB-B36A	Total/NA	Solid	8015M/D	13886
885-13233-6	TB-B27A	Total/NA	Solid	8015M/D	13886
885-13233-7	TB-B38A	Total/NA	Solid	8015M/D	13886
885-13233-8	TB-B39	Total/NA	Solid	8015M/D	13886
885-13233-9	TB-B40	Total/NA	Solid	8015M/D	13886
885-13233-10	TB-B45	Total/NA	Solid	8015M/D	13886
MB 885-13886/1-A	Method Blank	Total/NA	Solid	8015M/D	13886
LCS 885-13886/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	13886

Prep Batch: 13886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	SHAKE	
885-13233-2	TB-B14A	Total/NA	Solid	SHAKE	
885-13233-3	TB-B20B	Total/NA	Solid	SHAKE	
885-13233-4	TB-35A	Total/NA	Solid	SHAKE	
885-13233-5	TB-B36A	Total/NA	Solid	SHAKE	
885-13233-6	TB-B27A	Total/NA	Solid	SHAKE	
885-13233-7	TB-B38A	Total/NA	Solid	SHAKE	
885-13233-8	TB-B39	Total/NA	Solid	SHAKE	
885-13233-9	TB-B40	Total/NA	Solid	SHAKE	
885-13233-10	TB-B45	Total/NA	Solid	SHAKE	
MB 885-13886/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-13886/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 13889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	300_Prep	
885-13233-2	TB-B14A	Total/NA	Solid	300_Prep	
885-13233-3	TB-B20B	Total/NA	Solid	300_Prep	
885-13233-4	TB-35A	Total/NA	Solid	300_Prep	
885-13233-5	TB-B36A	Total/NA	Solid	300_Prep	
885-13233-6	TB-B27A	Total/NA	Solid	300_Prep	
885-13233-7	TB-B38A	Total/NA	Solid	300_Prep	
885-13233-8	TB-B39	Total/NA	Solid	300_Prep	
885-13233-9	TB-B40	Total/NA	Solid	300_Prep	
885-13233-10	TB-B45	Total/NA	Solid	300_Prep	
MB 885-13889/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-13889/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 13948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-1	TB-B4A	Total/NA	Solid	300.0	13889
885-13233-2	TB-B14A	Total/NA	Solid	300.0	13889
885-13233-3	TB-B20B	Total/NA	Solid	300.0	13889
885-13233-5	TB-B36A	Total/NA	Solid	300.0	13889
885-13233-7	TB-B38A	Total/NA	Solid	300.0	13889
885-13233-8	TB-B39	Total/NA	Solid	300.0	13889
885-13233-9	TB-B40	Total/NA	Solid	300.0	13889

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13233-1

HPLC/IC (Continued)

Analysis Batch: 13948 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-10	TB-B45	Total/NA	Solid	300.0	13889
MB 885-13889/1-A	Method Blank	Total/NA	Solid	300.0	13889
LCS 885-13889/2-A	Lab Control Sample	Total/NA	Solid	300.0	13889

Analysis Batch: 13984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13233-4	TB-35A	Total/NA	Solid	300.0	13889
885-13233-6	TB-B27A	Total/NA	Solid	300.0	13889
MRL 885-13984/61	Lab Control Sample	Total/NA	Solid	300.0	

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B4A

Lab Sample ID: 885-13233-1

Date Collected: 10/03/24 13:30

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 15:34
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 15:34
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 18:28
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 17:04

Client Sample ID: TB-B14A

Lab Sample ID: 885-13233-2

Date Collected: 10/03/24 13:32

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 15:57
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 15:57
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 18:50
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 17:16

Client Sample ID: TB-B20B

Lab Sample ID: 885-13233-3

Date Collected: 10/03/24 13:34

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 16:20
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 16:20
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:01
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 17:29

Client Sample ID: TB-35A

Lab Sample ID: 885-13233-4

Date Collected: 10/03/24 13:40

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 16:44

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-35A

Lab Sample ID: 885-13233-4

Date Collected: 10/03/24 13:40

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 16:44
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:13
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		50	13984	EH	EET ALB	10/09/24 19:27

Client Sample ID: TB-B36A

Lab Sample ID: 885-13233-5

Date Collected: 10/03/24 13:46

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 17:07
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 17:07
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:24
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 17:54

Client Sample ID: TB-B27A

Lab Sample ID: 885-13233-6

Date Collected: 10/03/24 14:00

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 17:31
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 17:31
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:35
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		100	13984	EH	EET ALB	10/09/24 20:41

Client Sample ID: TB-B38A

Lab Sample ID: 885-13233-7

Date Collected: 10/03/24 14:02

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 17:54
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 17:54

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B38A

Lab Sample ID: 885-13233-7

Date Collected: 10/03/24 14:02

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:46
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 18:18

Client Sample ID: TB-B39

Lab Sample ID: 885-13233-8

Date Collected: 10/03/24 14:04

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 18:18
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 18:18
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 19:57
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 18:31

Client Sample ID: TB-B40

Lab Sample ID: 885-13233-9

Date Collected: 10/03/24 14:06

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 18:41
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 18:41
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 20:08
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 18:43

Client Sample ID: TB-B45

Lab Sample ID: 885-13233-10

Date Collected: 10/03/24 14:10

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8015M/D		1	14083	JP	EET ALB	10/10/24 19:05
Total/NA	Prep	5030C			13884	JP	EET ALB	10/08/24 10:48
Total/NA	Analysis	8021B		1	14084	JP	EET ALB	10/10/24 19:05
Total/NA	Prep	SHAKE			13886	KR	EET ALB	10/08/24 11:46
Total/NA	Analysis	8015M/D		1	13871	KR	EET ALB	10/08/24 20:19

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13233-1

Client Sample ID: TB-B45

Lab Sample ID: 885-13233-10

Date Collected: 10/03/24 14:10

Matrix: Solid

Date Received: 10/05/24 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			13889	JT	EET ALB	10/08/24 12:40
Total/NA	Analysis	300.0		20	13948	EH	EET ALB	10/08/24 18:55

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-13233-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.
 Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210
 Ranger: PO Box 201179, Austin TX 78720
 Phone #: 521-335-1785
 email or Fax#: Will@RangerEnv.com

QA/QC Package:
 Standard Level 4 (Full Validation)

Accreditation:
 Az Compliance
 NELAC Other

EDD (Type) Excel

Turn-Around Time:
 Standard Rush 5 DAY TAT

Project Name:
 Key SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez
 On Ice: Yes No

of Coolers: 1

Cooler Temp (including cp): 54 + 0 = 54 °C

Container Type and #

1x4oz Jar

Preservative Type

ICE

HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
10/13/24	1330	SOIL	TB-44 TB-B4A	1x4oz Jar	ICE	1
	1332		TB-B14A			2
	1334		TB-B20B			3
	1340		TB-B35A			4
	1346		TB-B36A			5
	1406		TB-B27A			6
	1402		TB-B38A			7
	1404		TB-B39			8
	1406		TB-B40			9
	1410		TB-B45			10

BTEX (8021)
 TPH:8015D(GRO / DRO / MRO)
 Chloride (EPA 300)

Analysis Request

4901 Hawkins NE - Albuquerque, NM 8710.
 Tel. 505-345-3975 Fax 505-345-4107

HALL ENVIRONM ANALYSIS LABOR



885-13233 COC

Remarks: Bill to EOG Artesia

Received by: [Signature] Date: 10/14/24 Time: 0845
 Received by: [Signature] Date: 10/15/24 Time: 9:00

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-13233-1

Login Number: 13233

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 10/24/2024 12:58:32 PM

JOB DESCRIPTION

ROY SWD #3

JOB NUMBER

885-13994-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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10/24/2024 12:58:32 PM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: ROY SWD #3

Laboratory Job ID: 885-13994-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: ROY SWD #3

Job ID: 885-13994-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: ROY SWD #3

Job ID: 885-13994-1

Job ID: 885-13994-1

Eurofins Albuquerque

Job Narrative 885-13994-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/19/2024 11:35 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 885-14629 and analytical batch 885-14585 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B4B

Lab Sample ID: 885-13994-1

Date Collected: 10/17/24 13:10

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/21/24 10:29	10/22/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			10/21/24 10:29	10/22/24 18:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/22/24 18:51	1
Ethylbenzene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 18:51	1
Toluene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 18:51	1
Xylenes, Total	ND		0.098	mg/Kg		10/21/24 10:29	10/22/24 18:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			10/21/24 10:29	10/22/24 18:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/21/24 12:47	10/21/24 18:29	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/21/24 12:47	10/21/24 18:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			10/21/24 12:47	10/21/24 18:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	230		60	mg/Kg		10/21/24 14:25	10/22/24 03:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B20C

Lab Sample ID: 885-13994-2

Date Collected: 10/17/24 13:14

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/22/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			10/21/24 10:29	10/22/24 20:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		10/21/24 10:29	10/22/24 20:02	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 20:02	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 20:02	1
Xylenes, Total	ND		0.094	mg/Kg		10/21/24 10:29	10/22/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/22/24 20:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/21/24 12:47	10/21/24 18:41	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 18:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			10/21/24 12:47	10/21/24 18:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		60	mg/Kg		10/21/24 14:25	10/22/24 04:07	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B27B

Lab Sample ID: 885-13994-3

Date Collected: 10/17/24 13:20

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/21/24 10:29	10/22/24 21:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			10/21/24 10:29	10/22/24 21:13	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		10/21/24 10:29	10/22/24 21:13	1
Ethylbenzene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 21:13	1
Toluene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 21:13	1
Xylenes, Total	ND		0.099	mg/Kg		10/21/24 10:29	10/22/24 21:13	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			10/21/24 10:29	10/22/24 21:13	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/21/24 12:47	10/21/24 18:54	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 18:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			10/21/24 12:47	10/21/24 18:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	200		60	mg/Kg		10/21/24 14:25	10/22/24 04:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B35B

Lab Sample ID: 885-13994-4

Date Collected: 10/17/24 13:22

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/22/24 21:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			10/21/24 10:29	10/22/24 21:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/22/24 21:37	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 21:37	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 21:37	1
Xylenes, Total	ND		0.095	mg/Kg		10/21/24 10:29	10/22/24 21:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			10/21/24 10:29	10/22/24 21:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		10/21/24 12:47	10/21/24 19:07	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 19:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			10/21/24 12:47	10/21/24 19:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		60	mg/Kg		10/21/24 14:25	10/22/24 04:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B36B

Lab Sample ID: 885-13994-5

Date Collected: 10/17/24 13:24

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		10/21/24 10:29	10/22/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			10/21/24 10:29	10/22/24 22:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/22/24 22:00	1
Ethylbenzene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 22:00	1
Toluene	ND		0.047	mg/Kg		10/21/24 10:29	10/22/24 22:00	1
Xylenes, Total	ND		0.094	mg/Kg		10/21/24 10:29	10/22/24 22:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		48 - 145			10/21/24 10:29	10/22/24 22:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		10/21/24 12:47	10/21/24 19:20	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		10/21/24 12:47	10/21/24 19:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			10/21/24 12:47	10/21/24 19:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	330		60	mg/Kg		10/21/24 14:25	10/22/24 04:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B37A

Lab Sample ID: 885-13994-6

Date Collected: 10/17/24 13:26

Matrix: Solid

Date Received: 10/19/24 11:35

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		10/21/24 10:29	10/22/24 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			10/21/24 10:29	10/22/24 22:24	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		10/21/24 10:29	10/22/24 22:24	1
Ethylbenzene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 22:24	1
Toluene	ND		0.049	mg/Kg		10/21/24 10:29	10/22/24 22:24	1
Xylenes, Total	ND		0.098	mg/Kg		10/21/24 10:29	10/22/24 22:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			10/21/24 10:29	10/22/24 22:24	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		8.9	mg/Kg		10/21/24 12:47	10/21/24 19:33	1
Motor Oil Range Organics [C28-C40]	ND		45	mg/Kg		10/21/24 12:47	10/21/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			10/21/24 12:47	10/21/24 19:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		10/21/24 14:25	10/22/24 04:50	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: LCS 885-14592/2-A
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	25.6		mg/Kg		102	70 - 130
Surrogate		LCS %Recovery	LCS Qualifier				Limits
4-Bromofluorobenzene (Surr)		202					35 - 166

Lab Sample ID: 885-13994-1 MS
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: TB-B4B
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	28.1		mg/Kg		114	70 - 130
Surrogate		MS %Recovery		MS Qualifier					Limits
4-Bromofluorobenzene (Surr)		212							35 - 166

Lab Sample ID: 885-13994-1 MSD
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: TB-B4B
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.6	27.9		mg/Kg		113	70 - 130	1	20
Surrogate		MSD %Recovery		MSD Qualifier					Limits		
4-Bromofluorobenzene (Surr)		212							35 - 166		

Lab Sample ID: MB 885-4592/1-A
 Matrix: Solid
 Analysis Batch: 14740

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 4592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Surrogate		MB %Recovery				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)		96				05/08/24 12:36	10/22/24 17:40	1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: LCS 885-14592/3-A
 Matrix: Solid
 Analysis Batch: 14741

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	1.08		mg/Kg		108	70 - 130
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130
Toluene	1.00	1.09		mg/Kg		109	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-14592/3-A
Matrix: Solid
Analysis Batch: 14741

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 14592

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m-Xylene & p-Xylene	2.00	2.13		mg/Kg		107	70 - 130
o-Xylene	1.00	1.05		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		48 - 145

Lab Sample ID: 885-13994-2 MS
Matrix: Solid
Analysis Batch: 14741

Client Sample ID: TB-B20C
Prep Type: Total/NA
Prep Batch: 14592

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.943	1.09		mg/Kg		116	70 - 130
Ethylbenzene	ND		0.943	1.12		mg/Kg		118	70 - 130
Toluene	ND		0.943	1.10		mg/Kg		116	70 - 130
m-Xylene & p-Xylene	ND		1.89	2.20		mg/Kg		117	70 - 130
o-Xylene	ND		0.943	1.10		mg/Kg		117	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	98		48 - 145

Lab Sample ID: 885-13994-2 MSD
Matrix: Solid
Analysis Batch: 14741

Client Sample ID: TB-B20C
Prep Type: Total/NA
Prep Batch: 14592

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.940	1.10		mg/Kg		117	70 - 130	1	20
Ethylbenzene	ND		0.940	1.14		mg/Kg		121	70 - 130	2	20
Toluene	ND		0.940	1.11		mg/Kg		118	70 - 130	2	20
m-Xylene & p-Xylene	ND		1.88	2.24		mg/Kg		119	70 - 130	2	20
o-Xylene	ND		0.940	1.10		mg/Kg		117	70 - 130	1	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		48 - 145

Lab Sample ID: MB 885-4592/1-A
Matrix: Solid
Analysis Batch: 14741

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 4592

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Ethylbenzene	ND		0.050	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Toluene	ND		0.050	mg/Kg		05/08/24 12:36	10/22/24 17:40	1
Xylenes, Total	ND		0.10	mg/Kg		05/08/24 12:36	10/22/24 17:40	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145	05/08/24 12:36	10/22/24 17:40	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-14629/1-A
 Matrix: Solid
 Analysis Batch: 14585

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14629

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		10/21/24 12:47	10/21/24 14:39	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		10/21/24 12:47	10/21/24 14:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			10/21/24 12:47	10/21/24 14:39	1

Lab Sample ID: LCS 885-14629/2-A
 Matrix: Solid
 Analysis Batch: 14585

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14629

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Diesel Range Organics [C10-C28]	50.0	45.8		mg/Kg		92	60 - 135
Surrogate	%Recovery	Qualifier	Limits				
Di-n-octyl phthalate (Surr)	92		62 - 134				

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-14640/1-A
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		3.0	mg/Kg		10/21/24 14:25	10/22/24 00:08	1
Surrogate	%Recovery	Qualifier	Limits					
Chloride	101		90 - 110					

Lab Sample ID: LCS 885-14640/2-A
 Matrix: Solid
 Analysis Batch: 14643

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 14640

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloride	30.0	30.3		mg/Kg		101	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROY SWD #3

Job ID: 885-13994-1

GC VOA

Prep Batch: 4592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-4592/1-A	Method Blank	Total/NA	Solid	5030C	

Prep Batch: 14592

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	5030C	
885-13994-2	TB-B20C	Total/NA	Solid	5030C	
885-13994-3	TB-B27B	Total/NA	Solid	5030C	
885-13994-4	TB-B35B	Total/NA	Solid	5030C	
885-13994-5	TB-B36B	Total/NA	Solid	5030C	
885-13994-6	TB-B37A	Total/NA	Solid	5030C	
LCS 885-14592/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-14592/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-13994-1 MS	TB-B4B	Total/NA	Solid	5030C	
885-13994-1 MSD	TB-B4B	Total/NA	Solid	5030C	
885-13994-2 MS	TB-B20C	Total/NA	Solid	5030C	
885-13994-2 MSD	TB-B20C	Total/NA	Solid	5030C	

Analysis Batch: 14740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	8015M/D	14592
885-13994-2	TB-B20C	Total/NA	Solid	8015M/D	14592
885-13994-3	TB-B27B	Total/NA	Solid	8015M/D	14592
885-13994-4	TB-B35B	Total/NA	Solid	8015M/D	14592
885-13994-5	TB-B36B	Total/NA	Solid	8015M/D	14592
885-13994-6	TB-B37A	Total/NA	Solid	8015M/D	14592
MB 885-4592/1-A	Method Blank	Total/NA	Solid	8015M/D	4592
LCS 885-14592/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14592
885-13994-1 MS	TB-B4B	Total/NA	Solid	8015M/D	14592
885-13994-1 MSD	TB-B4B	Total/NA	Solid	8015M/D	14592

Analysis Batch: 14741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	8021B	14592
885-13994-2	TB-B20C	Total/NA	Solid	8021B	14592
885-13994-3	TB-B27B	Total/NA	Solid	8021B	14592
885-13994-4	TB-B35B	Total/NA	Solid	8021B	14592
885-13994-5	TB-B36B	Total/NA	Solid	8021B	14592
885-13994-6	TB-B37A	Total/NA	Solid	8021B	14592
MB 885-4592/1-A	Method Blank	Total/NA	Solid	8021B	4592
LCS 885-14592/3-A	Lab Control Sample	Total/NA	Solid	8021B	14592
885-13994-2 MS	TB-B20C	Total/NA	Solid	8021B	14592
885-13994-2 MSD	TB-B20C	Total/NA	Solid	8021B	14592

GC Semi VOA

Analysis Batch: 14585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	8015M/D	14629
885-13994-2	TB-B20C	Total/NA	Solid	8015M/D	14629
885-13994-3	TB-B27B	Total/NA	Solid	8015M/D	14629
885-13994-4	TB-B35B	Total/NA	Solid	8015M/D	14629

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROY SWD #3

Job ID: 885-13994-1

GC Semi VOA (Continued)

Analysis Batch: 14585 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-5	TB-B36B	Total/NA	Solid	8015M/D	14629
885-13994-6	TB-B37A	Total/NA	Solid	8015M/D	14629
MB 885-14629/1-A	Method Blank	Total/NA	Solid	8015M/D	14629
LCS 885-14629/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	14629

Prep Batch: 14629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	SHAKE	
885-13994-2	TB-B20C	Total/NA	Solid	SHAKE	
885-13994-3	TB-B27B	Total/NA	Solid	SHAKE	
885-13994-4	TB-B35B	Total/NA	Solid	SHAKE	
885-13994-5	TB-B36B	Total/NA	Solid	SHAKE	
885-13994-6	TB-B37A	Total/NA	Solid	SHAKE	
MB 885-14629/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-14629/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

HPLC/IC

Prep Batch: 14640

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	300_Prep	
885-13994-2	TB-B20C	Total/NA	Solid	300_Prep	
885-13994-3	TB-B27B	Total/NA	Solid	300_Prep	
885-13994-4	TB-B35B	Total/NA	Solid	300_Prep	
885-13994-5	TB-B36B	Total/NA	Solid	300_Prep	
885-13994-6	TB-B37A	Total/NA	Solid	300_Prep	
MB 885-14640/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-14640/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 14643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-13994-1	TB-B4B	Total/NA	Solid	300.0	14640
885-13994-2	TB-B20C	Total/NA	Solid	300.0	14640
885-13994-3	TB-B27B	Total/NA	Solid	300.0	14640
885-13994-4	TB-B35B	Total/NA	Solid	300.0	14640
885-13994-5	TB-B36B	Total/NA	Solid	300.0	14640
885-13994-6	TB-B37A	Total/NA	Solid	300.0	14640
MB 885-14640/1-A	Method Blank	Total/NA	Solid	300.0	14640
LCS 885-14640/2-A	Lab Control Sample	Total/NA	Solid	300.0	14640

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B4B

Lab Sample ID: 885-13994-1

Date Collected: 10/17/24 13:10

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 18:51
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 18:51
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 18:29
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 03:13

Client Sample ID: TB-B20C

Lab Sample ID: 885-13994-2

Date Collected: 10/17/24 13:14

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 20:02
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 20:02
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 18:41
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 04:07

Client Sample ID: TB-B27B

Lab Sample ID: 885-13994-3

Date Collected: 10/17/24 13:20

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 21:13
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 21:13
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 18:54
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 04:18

Client Sample ID: TB-B35B

Lab Sample ID: 885-13994-4

Date Collected: 10/17/24 13:22

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 21:37

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: ROY SWD #3

Job ID: 885-13994-1

Client Sample ID: TB-B35B

Lab Sample ID: 885-13994-4

Date Collected: 10/17/24 13:22

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 21:37
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 19:07
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 04:29

Client Sample ID: TB-B36B

Lab Sample ID: 885-13994-5

Date Collected: 10/17/24 13:24

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 22:00
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 22:00
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 19:20
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 04:40

Client Sample ID: TB-B37A

Lab Sample ID: 885-13994-6

Date Collected: 10/17/24 13:26

Matrix: Solid

Date Received: 10/19/24 11:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8015M/D		1	14740	JP	EET ALB	10/22/24 22:24
Total/NA	Prep	5030C			14592	JP	EET ALB	10/21/24 10:29
Total/NA	Analysis	8021B		1	14741	JP	EET ALB	10/22/24 22:24
Total/NA	Prep	SHAKE			14629	KR	EET ALB	10/21/24 12:47
Total/NA	Analysis	8015M/D		1	14585	KR	EET ALB	10/21/24 19:33
Total/NA	Prep	300_Prep			14640	EH	EET ALB	10/21/24 14:25
Total/NA	Analysis	300.0		20	14643	EH	EET ALB	10/22/24 04:50

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: ROY SWD #3

Job ID: 885-13994-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-13994-1

Login Number: 13994

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

- 1
- 2
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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 11/12/2024 9:41:50 AM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-14636-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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11/12/2024 9:41:50 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-14636-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-14636-1

Job ID: 885-14636-1

Eurofins Albuquerque

Job Narrative 885-14636-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/2/2024 8:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.4°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 885-15342 and analytical batch 885-15384 were outside control limits for one or more analytes. See QC Sample Results for detail. Mis-spike of MSD is suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-15331 and analytical batch 885-15394 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28]. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8015D_DRO: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 885-15348 and analytical batch 885-15394 recovered outside control limits for the following analytes: Diesel Range Organics [C10-C28]. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W18

Lab Sample ID: 885-14636-1

Date Collected: 11/01/24 08:50

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 10:35	11/07/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/04/24 10:35	11/07/24 18:44	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 18:44	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 18:44	1
Toluene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 18:44	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 10:35	11/07/24 18:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/04/24 10:35	11/07/24 18:44	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 11:56	11/05/24 14:34	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			11/04/24 11:56	11/05/24 14:34	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		11/04/24 14:21	11/04/24 15:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W19

Lab Sample ID: 885-14636-2

Date Collected: 11/01/24 08:54

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 10:35	11/07/24 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/04/24 10:35	11/07/24 19:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 19:54	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 19:54	1
Toluene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 19:54	1
Xylenes, Total	ND		0.10	mg/Kg		11/04/24 10:35	11/07/24 19:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 10:35	11/07/24 19:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 11:56	11/05/24 14:45	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 14:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/04/24 11:56	11/05/24 14:45	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	92		60	mg/Kg		11/04/24 14:21	11/04/24 15:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W20

Lab Sample ID: 885-14636-3

Date Collected: 11/01/24 09:00

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 10:35	11/07/24 21:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/04/24 10:35	11/07/24 21:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 21:04	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 21:04	1
Toluene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 21:04	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 10:35	11/07/24 21:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/04/24 10:35	11/07/24 21:04	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.4	mg/Kg		11/04/24 11:56	11/05/24 14:55	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/04/24 11:56	11/05/24 14:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			11/04/24 11:56	11/05/24 14:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		11/04/24 14:21	11/04/24 16:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W21

Lab Sample ID: 885-14636-4

Date Collected: 11/01/24 09:02

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/07/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/04/24 10:35	11/07/24 21:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 21:27	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 21:27	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 21:27	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 10:35	11/07/24 21:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 10:35	11/07/24 21:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.6	mg/Kg		11/04/24 11:56	11/05/24 15:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	104		62 - 134			11/04/24 11:56	11/05/24 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		60	mg/Kg		11/04/24 14:21	11/04/24 16:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W22

Lab Sample ID: 885-14636-5

Date Collected: 11/01/24 09:04

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/07/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/04/24 10:35	11/07/24 21:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/07/24 21:51	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 21:51	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 21:51	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 10:35	11/07/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 10:35	11/07/24 21:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 11:56	11/05/24 15:17	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			11/04/24 11:56	11/05/24 15:17	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		61	mg/Kg		11/04/24 14:21	11/04/24 17:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W23

Lab Sample ID: 885-14636-6

Date Collected: 11/01/24 09:10

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/07/24 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/04/24 10:35	11/07/24 22:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 22:14	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 22:14	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 22:14	1
Xylenes, Total	ND		0.098	mg/Kg		11/04/24 10:35	11/07/24 22:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/04/24 10:35	11/07/24 22:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.3	mg/Kg		11/04/24 11:56	11/05/24 15:27	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/04/24 11:56	11/05/24 15:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			11/04/24 11:56	11/05/24 15:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		11/04/24 14:21	11/04/24 17:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W24

Lab Sample ID: 885-14636-7

Date Collected: 11/01/24 09:14

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/07/24 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/07/24 22:37	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/07/24 22:37	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 22:37	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/07/24 22:37	1
Xylenes, Total	ND		0.098	mg/Kg		11/04/24 10:35	11/07/24 22:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			11/04/24 10:35	11/07/24 22:37	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.6	mg/Kg		11/04/24 11:56	11/05/24 15:38	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 15:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			11/04/24 11:56	11/05/24 15:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2100		61	mg/Kg		11/04/24 14:21	11/04/24 17:23	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W25

Lab Sample ID: 885-14636-8

Date Collected: 11/01/24 09:22

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 10:35	11/07/24 23:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/07/24 23:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 10:35	11/07/24 23:00	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 10:35	11/07/24 23:00	1
Toluene	ND		0.047	mg/Kg		11/04/24 10:35	11/07/24 23:00	1
Xylenes, Total	ND		0.093	mg/Kg		11/04/24 10:35	11/07/24 23:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/07/24 23:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 11:56	11/05/24 15:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 11:56	11/05/24 15:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			11/04/24 11:56	11/05/24 15:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		11/04/24 14:21	11/04/24 17:32	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W26

Lab Sample ID: 885-14636-9

Date Collected: 11/01/24 09:24

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 10:35	11/07/24 23:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			11/04/24 10:35	11/07/24 23:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/07/24 23:23	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 10:35	11/07/24 23:23	1
Toluene	ND		0.048	mg/Kg		11/04/24 10:35	11/07/24 23:23	1
Xylenes, Total	ND		0.096	mg/Kg		11/04/24 10:35	11/07/24 23:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/07/24 23:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.6	mg/Kg		11/04/24 11:56	11/05/24 16:10	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 16:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			11/04/24 11:56	11/05/24 16:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		60	mg/Kg		11/04/24 14:21	11/04/24 17:42	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W27

Lab Sample ID: 885-14636-10

Date Collected: 11/01/24 09:30

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 10:35	11/07/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/04/24 10:35	11/07/24 23:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/07/24 23:46	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 10:35	11/07/24 23:46	1
Toluene	ND		0.048	mg/Kg		11/04/24 10:35	11/07/24 23:46	1
Xylenes, Total	ND		0.096	mg/Kg		11/04/24 10:35	11/07/24 23:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/07/24 23:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.9	mg/Kg		11/04/24 11:56	11/05/24 16:20	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 11:56	11/05/24 16:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			11/04/24 11:56	11/05/24 16:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		11/04/24 14:21	11/04/24 17:52	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W28

Lab Sample ID: 885-14636-11

Date Collected: 11/01/24 09:36

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 10:35	11/08/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			11/04/24 10:35	11/08/24 00:33	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 10:35	11/08/24 00:33	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 00:33	1
Toluene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 00:33	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 10:35	11/08/24 00:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 00:33	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.3	mg/Kg		11/04/24 11:56	11/05/24 16:31	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 11:56	11/05/24 16:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	71		62 - 134			11/04/24 11:56	11/05/24 16:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	420		60	mg/Kg		11/04/24 14:21	11/04/24 18:22	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W29

Lab Sample ID: 885-14636-12

Date Collected: 11/01/24 09:42

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 10:35	11/08/24 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/08/24 00:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/08/24 00:56	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 00:56	1
Toluene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 00:56	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 10:35	11/08/24 00:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 00:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 11:56	11/05/24 16:42	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 11:56	11/05/24 16:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			11/04/24 11:56	11/05/24 16:42	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		11/04/24 14:21	11/04/24 18:31	20

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W30

Lab Sample ID: 885-14636-13

Date Collected: 11/01/24 09:48

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/08/24 01:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			11/04/24 10:35	11/08/24 01:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/08/24 01:19	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 01:19	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 01:19	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 10:35	11/08/24 01:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 01:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	10	mg/Kg		11/04/24 11:56	11/05/24 16:52	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/04/24 11:56	11/05/24 16:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	82		62 - 134			11/04/24 11:56	11/05/24 16:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	380		60	mg/Kg		11/04/24 14:21	11/04/24 18:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W31

Lab Sample ID: 885-14636-14

Date Collected: 11/01/24 10:00

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/08/24 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			11/04/24 10:35	11/08/24 01:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/08/24 01:42	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 01:42	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 01:42	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 10:35	11/08/24 01:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/08/24 01:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.7	mg/Kg		11/04/24 11:56	11/05/24 17:03	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 17:03	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			11/04/24 11:56	11/05/24 17:03	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		11/04/24 14:21	11/04/24 18:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W32

Lab Sample ID: 885-14636-15

Date Collected: 11/01/24 10:02

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 10:35	11/08/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/08/24 02:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/08/24 02:05	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 02:05	1
Toluene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 02:05	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 10:35	11/08/24 02:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 02:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 11:56	11/05/24 17:14	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 11:56	11/05/24 17:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			11/04/24 11:56	11/05/24 17:14	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2300		150	mg/Kg		11/04/24 14:21	11/05/24 08:02	50

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W33

Lab Sample ID: 885-14636-16

Date Collected: 11/01/24 10:06

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/08/24 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			11/04/24 10:35	11/08/24 02:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/08/24 02:28	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 02:28	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 02:28	1
Xylenes, Total	ND		0.098	mg/Kg		11/04/24 10:35	11/08/24 02:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/08/24 02:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.4	mg/Kg		11/04/24 11:56	11/05/24 17:24	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/04/24 11:56	11/05/24 17:24	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	88		62 - 134			11/04/24 11:56	11/05/24 17:24	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	370		61	mg/Kg		11/04/24 14:21	11/04/24 19:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W34

Lab Sample ID: 885-14636-17

Date Collected: 11/01/24 10:10

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 10:35	11/08/24 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/08/24 02:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/08/24 02:51	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 10:35	11/08/24 02:51	1
Toluene	ND		0.048	mg/Kg		11/04/24 10:35	11/08/24 02:51	1
Xylenes, Total	ND		0.095	mg/Kg		11/04/24 10:35	11/08/24 02:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 02:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.2	mg/Kg		11/04/24 11:56	11/05/24 17:35	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 11:56	11/05/24 17:35	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			11/04/24 11:56	11/05/24 17:35	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		11/04/24 14:21	11/04/24 19:21	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W35

Lab Sample ID: 885-14636-18

Date Collected: 11/01/24 10:12

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/08/24 03:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			11/04/24 10:35	11/08/24 03:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/08/24 03:15	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 03:15	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 03:15	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 10:35	11/08/24 03:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 03:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 11:56	11/05/24 17:56	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 11:56	11/05/24 17:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 11:56	11/05/24 17:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		11/04/24 14:21	11/04/24 19:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W36

Lab Sample ID: 885-14636-19

Date Collected: 11/01/24 10:14

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 10:35	11/08/24 03:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			11/04/24 10:35	11/08/24 03:38	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 10:35	11/08/24 03:38	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 03:38	1
Toluene	ND		0.049	mg/Kg		11/04/24 10:35	11/08/24 03:38	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 10:35	11/08/24 03:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 10:35	11/08/24 03:38	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 11:56	11/05/24 18:07	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/04/24 11:56	11/05/24 18:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			11/04/24 11:56	11/05/24 18:07	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	210		61	mg/Kg		11/04/24 14:21	11/04/24 19:40	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW1

Lab Sample ID: 885-14636-20

Date Collected: 11/01/24 10:16

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 10:35	11/08/24 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/04/24 10:35	11/08/24 04:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 10:35	11/08/24 04:01	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 04:01	1
Toluene	ND		0.047	mg/Kg		11/04/24 10:35	11/08/24 04:01	1
Xylenes, Total	ND		0.093	mg/Kg		11/04/24 10:35	11/08/24 04:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 10:35	11/08/24 04:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.1	mg/Kg		11/04/24 11:56	11/05/24 18:40	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 11:56	11/05/24 18:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	80		62 - 134			11/04/24 11:56	11/05/24 18:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		11/04/24 14:21	11/04/24 19:50	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW2

Lab Sample ID: 885-14636-21

Date Collected: 11/01/24 10:20

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/05/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/05/24 22:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 13:38	11/05/24 22:15	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 13:38	11/05/24 22:15	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/05/24 22:15	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 13:38	11/05/24 22:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/04/24 13:38	11/05/24 22:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.9	mg/Kg		11/04/24 15:12	11/05/24 19:22	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 19:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			11/04/24 15:12	11/05/24 19:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		60	mg/Kg		11/05/24 06:59	11/05/24 08:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW3

Lab Sample ID: 885-14636-22

Date Collected: 11/01/24 10:22

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/05/24 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			11/04/24 13:38	11/05/24 23:26	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/05/24 23:26	1
Ethylbenzene	ND	F1	0.047	mg/Kg		11/04/24 13:38	11/05/24 23:26	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/05/24 23:26	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 13:38	11/05/24 23:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			11/04/24 13:38	11/05/24 23:26	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.7	mg/Kg		11/04/24 15:12	11/05/24 19:33	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 19:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			11/04/24 15:12	11/05/24 19:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		11/05/24 06:59	11/05/24 09:01	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW4

Lab Sample ID: 885-14636-23

Date Collected: 11/01/24 10:24

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			11/04/24 13:38	11/06/24 00:36	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 00:36	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 00:36	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 00:36	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 13:38	11/06/24 00:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			11/04/24 13:38	11/06/24 00:36	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.6	mg/Kg		11/04/24 15:12	11/05/24 19:44	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 15:12	11/05/24 19:44	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	81		62 - 134			11/04/24 15:12	11/05/24 19:44	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	220		60	mg/Kg		11/05/24 06:59	11/05/24 09:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW5

Lab Sample ID: 885-14636-24

Date Collected: 11/01/24 10:26

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 01:00	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 13:38	11/06/24 01:00	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 01:00	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 01:00	1
Xylenes, Total	ND		0.098	mg/Kg		11/04/24 13:38	11/06/24 01:00	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 01:00	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.9	mg/Kg		11/04/24 15:12	11/05/24 19:55	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/04/24 15:12	11/05/24 19:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	84		62 - 134			11/04/24 15:12	11/05/24 19:55	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1900		60	mg/Kg		11/05/24 06:59	11/05/24 10:00	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW6

Lab Sample ID: 885-14636-25

Date Collected: 11/01/24 10:30

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 01:23	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 13:38	11/06/24 01:23	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 01:23	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 01:23	1
Xylenes, Total	ND		0.099	mg/Kg		11/04/24 13:38	11/06/24 01:23	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 01:23	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.3	mg/Kg		11/04/24 15:12	11/05/24 20:05	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 20:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			11/04/24 15:12	11/05/24 20:05	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		11/05/24 06:59	11/05/24 10:10	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW7

Lab Sample ID: 885-14636-26

Date Collected: 11/01/24 10:34

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 13:38	11/06/24 01:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 01:47	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 13:38	11/06/24 01:47	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 13:38	11/06/24 01:47	1
Toluene	ND		0.050	mg/Kg		11/04/24 13:38	11/06/24 01:47	1
Xylenes, Total	ND		0.10	mg/Kg		11/04/24 13:38	11/06/24 01:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 01:47	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.2	mg/Kg		11/04/24 15:12	11/05/24 20:16	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 20:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	87		62 - 134			11/04/24 15:12	11/05/24 20:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		11/05/24 06:59	11/05/24 10:20	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW8

Lab Sample ID: 885-14636-27

Date Collected: 11/01/24 10:36

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 13:38	11/06/24 02:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			11/04/24 13:38	11/06/24 02:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 02:10	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 02:10	1
Toluene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 02:10	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 13:38	11/06/24 02:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/04/24 13:38	11/06/24 02:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 15:12	11/05/24 20:27	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 15:12	11/05/24 20:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 15:12	11/05/24 20:27	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1700		60	mg/Kg		11/05/24 06:59	11/05/24 10:30	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW9

Lab Sample ID: 885-14636-28

Date Collected: 11/01/24 10:38

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 13:38	11/06/24 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 02:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 02:34	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 02:34	1
Toluene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 02:34	1
Xylenes, Total	ND		0.096	mg/Kg		11/04/24 13:38	11/06/24 02:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 02:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 15:12	11/05/24 20:37	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 15:12	11/05/24 20:37	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 15:12	11/05/24 20:37	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		11/05/24 06:59	11/05/24 10:39	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW10

Lab Sample ID: 885-14636-29

Date Collected: 11/01/24 10:40

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 02:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			11/04/24 13:38	11/06/24 02:57	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 02:57	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 02:57	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 02:57	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 13:38	11/06/24 02:57	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/04/24 13:38	11/06/24 02:57	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 15:12	11/05/24 20:58	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 20:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			11/04/24 15:12	11/05/24 20:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1500		60	mg/Kg		11/05/24 06:59	11/05/24 10:49	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW11

Lab Sample ID: 885-14636-30

Date Collected: 11/01/24 10:42

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 13:38	11/06/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			11/04/24 13:38	11/06/24 03:21	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 03:21	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 03:21	1
Toluene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 03:21	1
Xylenes, Total	ND		0.096	mg/Kg		11/04/24 13:38	11/06/24 03:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/04/24 13:38	11/06/24 03:21	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.2	mg/Kg		11/04/24 15:12	11/05/24 21:30	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 21:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			11/04/24 15:12	11/05/24 21:30	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		11/05/24 06:59	11/05/24 11:09	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW12

Lab Sample ID: 885-14636-31

Date Collected: 11/01/24 10:46

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		11/04/24 13:38	11/06/24 04:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 04:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 13:38	11/06/24 04:07	1
Ethylbenzene	ND		0.046	mg/Kg		11/04/24 13:38	11/06/24 04:07	1
Toluene	ND		0.046	mg/Kg		11/04/24 13:38	11/06/24 04:07	1
Xylenes, Total	ND		0.092	mg/Kg		11/04/24 13:38	11/06/24 04:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/04/24 13:38	11/06/24 04:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.3	mg/Kg		11/04/24 15:12	11/05/24 21:40	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 21:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	85		62 - 134			11/04/24 15:12	11/05/24 21:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1100		60	mg/Kg		11/05/24 06:59	11/05/24 11:19	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW13

Lab Sample ID: 885-14636-32

Date Collected: 11/01/24 10:50

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/04/24 13:38	11/06/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			11/04/24 13:38	11/06/24 04:31	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 04:31	1
Ethylbenzene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 04:31	1
Toluene	ND		0.048	mg/Kg		11/04/24 13:38	11/06/24 04:31	1
Xylenes, Total	ND		0.096	mg/Kg		11/04/24 13:38	11/06/24 04:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 04:31	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 15:12	11/05/24 21:51	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 15:12	11/05/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	490		60	mg/Kg		11/05/24 06:59	11/05/24 11:29	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW14

Lab Sample ID: 885-14636-33

Date Collected: 11/01/24 10:56

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/06/24 04:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/04/24 13:38	11/06/24 04:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 04:54	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 04:54	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 04:54	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 13:38	11/06/24 04:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		48 - 145			11/04/24 13:38	11/06/24 04:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.7	mg/Kg		11/04/24 15:12	11/05/24 22:02	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 15:12	11/05/24 22:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	83		62 - 134			11/04/24 15:12	11/05/24 22:02	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	640		60	mg/Kg		11/05/24 06:59	11/05/24 11:58	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW15

Lab Sample ID: 885-14636-34

Date Collected: 11/01/24 11:00

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 05:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/04/24 13:38	11/06/24 05:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 05:17	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 05:17	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 05:17	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 13:38	11/06/24 05:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			11/04/24 13:38	11/06/24 05:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.5	mg/Kg		11/04/24 15:12	11/05/24 22:12	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		11/04/24 15:12	11/05/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/04/24 15:12	11/05/24 22:12	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		60	mg/Kg		11/05/24 06:59	11/05/24 12:08	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW16

Lab Sample ID: 885-14636-35

Date Collected: 11/01/24 11:02

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/06/24 05:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/04/24 13:38	11/06/24 05:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 13:38	11/06/24 05:41	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 05:41	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 05:41	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 13:38	11/06/24 05:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		48 - 145			11/04/24 13:38	11/06/24 05:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.3	mg/Kg		11/04/24 15:12	11/05/24 22:22	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 22:22	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			11/04/24 15:12	11/05/24 22:22	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1000		60	mg/Kg		11/05/24 06:59	11/05/24 12:18	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW17

Lab Sample ID: 885-14636-36

Date Collected: 11/01/24 11:04

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/06/24 06:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/04/24 13:38	11/06/24 06:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/04/24 13:38	11/06/24 06:04	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 06:04	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 06:04	1
Xylenes, Total	ND		0.094	mg/Kg		11/04/24 13:38	11/06/24 06:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 06:04	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.2	mg/Kg		11/04/24 15:12	11/05/24 22:33	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		11/04/24 15:12	11/05/24 22:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			11/04/24 15:12	11/05/24 22:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		60	mg/Kg		11/05/24 06:59	11/05/24 12:28	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW18

Lab Sample ID: 885-14636-37

Date Collected: 11/01/24 11:06

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/04/24 13:38	11/06/24 06:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		35 - 166			11/04/24 13:38	11/06/24 06:27	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 06:27	1
Ethylbenzene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 06:27	1
Toluene	ND		0.049	mg/Kg		11/04/24 13:38	11/06/24 06:27	1
Xylenes, Total	ND		0.097	mg/Kg		11/04/24 13:38	11/06/24 06:27	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/04/24 13:38	11/06/24 06:27	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 15:12	11/05/24 22:54	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 22:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 15:12	11/05/24 22:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1200		60	mg/Kg		11/05/24 06:59	11/05/24 12:38	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW19

Lab Sample ID: 885-14636-38

Date Collected: 11/01/24 11:10

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/04/24 13:38	11/06/24 06:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/04/24 13:38	11/06/24 06:51	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/04/24 13:38	11/06/24 06:51	1
Ethylbenzene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 06:51	1
Toluene	ND		0.047	mg/Kg		11/04/24 13:38	11/06/24 06:51	1
Xylenes, Total	ND		0.095	mg/Kg		11/04/24 13:38	11/06/24 06:51	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/04/24 13:38	11/06/24 06:51	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.8	mg/Kg		11/04/24 15:12	11/05/24 23:04	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		11/04/24 15:12	11/05/24 23:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	90		62 - 134			11/04/24 15:12	11/05/24 23:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	990		60	mg/Kg		11/05/24 06:59	11/05/24 12:47	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW20

Lab Sample ID: 885-14636-39

Date Collected: 11/01/24 11:12

Matrix: Solid

Date Received: 11/02/24 08:15

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 13:38	11/06/24 07:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		35 - 166			11/04/24 13:38	11/06/24 07:14	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/04/24 13:38	11/06/24 07:14	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 13:38	11/06/24 07:14	1
Toluene	ND		0.050	mg/Kg		11/04/24 13:38	11/06/24 07:14	1
Xylenes, Total	ND		0.10	mg/Kg		11/04/24 13:38	11/06/24 07:14	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/04/24 13:38	11/06/24 07:14	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND	*+	9.4	mg/Kg		11/04/24 15:12	11/05/24 23:15	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		11/04/24 15:12	11/05/24 23:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			11/04/24 15:12	11/05/24 23:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		11/05/24 06:59	11/05/24 12:57	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-15313/1-A

Matrix: Solid

Analysis Batch: 15537

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15313

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 10:35	11/07/24 18:21	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/04/24 10:35	11/07/24 18:21	1

Lab Sample ID: LCS 885-15313/2-A

Matrix: Solid

Analysis Batch: 15537

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	26.2		mg/Kg		105	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	199		35 - 166				

Lab Sample ID: 885-14636-1 MS

Matrix: Solid

Analysis Batch: 15537

Client Sample ID: TB-W18

Prep Type: Total/NA

Prep Batch: 15313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.9	28.5		mg/Kg		114	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	208		35 - 166						

Lab Sample ID: 885-14636-1 MSD

Matrix: Solid

Analysis Batch: 15537

Client Sample ID: TB-W18

Prep Type: Total/NA

Prep Batch: 15313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		25.0	25.5		mg/Kg		102	70 - 130	11	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	205		35 - 166								

Lab Sample ID: MB 885-15342/1-A

Matrix: Solid

Analysis Batch: 15383

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15342

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/04/24 13:38	11/05/24 21:52	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-15342/1-A
 Matrix: Solid
 Analysis Batch: 15383

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15342

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	105		35 - 166	11/04/24 13:38	11/05/24 21:52	1

Lab Sample ID: LCS 885-15342/2-A
 Matrix: Solid
 Analysis Batch: 15383

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15342

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	25.0	24.9		mg/Kg		100	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	207	S1+	35 - 166

Lab Sample ID: 885-14636-21 MS
 Matrix: Solid
 Analysis Batch: 15383

Client Sample ID: TB-IW2
 Prep Type: Total/NA
 Prep Batch: 15342

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	ND		23.5	26.0		mg/Kg		111	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	220		35 - 166

Lab Sample ID: 885-14636-21 MSD
 Matrix: Solid
 Analysis Batch: 15383

Client Sample ID: TB-IW2
 Prep Type: Total/NA
 Prep Batch: 15342

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
				Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	ND		23.3	25.1		mg/Kg		107	70 - 130	4	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	223		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-15313/1-A
 Matrix: Solid
 Analysis Batch: 15538

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15313

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/04/24 10:35	11/07/24 18:21	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 18:21	1
Toluene	ND		0.050	mg/Kg		11/04/24 10:35	11/07/24 18:21	1
Xylenes, Total	ND		0.10	mg/Kg		11/04/24 10:35	11/07/24 18:21	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-15313/1-A
 Matrix: Solid
 Analysis Batch: 15538

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15313

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	99		48 - 145	11/04/24 10:35	11/07/24 18:21	1

Lab Sample ID: LCS 885-15313/3-A
 Matrix: Solid
 Analysis Batch: 15538

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	1.00	1.05		mg/Kg		105	70 - 130	
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130	
Toluene	1.00	1.08		mg/Kg		108	70 - 130	
m-Xylene & p-Xylene	2.00	2.11		mg/Kg		106	70 - 130	
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		48 - 145

Lab Sample ID: 885-14636-2 MS
 Matrix: Solid
 Analysis Batch: 15538

Client Sample ID: TB-W19
 Prep Type: Total/NA
 Prep Batch: 15313

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Benzene	ND		0.995	1.09		mg/Kg		109	70 - 130	
Ethylbenzene	ND		0.995	1.13		mg/Kg		114	70 - 130	
Toluene	ND		0.995	1.15		mg/Kg		115	70 - 130	
m-Xylene & p-Xylene	ND		1.99	2.21		mg/Kg		111	70 - 130	
o-Xylene	ND		0.995	1.10		mg/Kg		110	70 - 130	

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		48 - 145

Lab Sample ID: 885-14636-2 MSD
 Matrix: Solid
 Analysis Batch: 15538

Client Sample ID: TB-W19
 Prep Type: Total/NA
 Prep Batch: 15313

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits		RPD	
											RPD	Limit
Benzene	ND		0.994	1.05		mg/Kg		106	70 - 130	4	20	
Ethylbenzene	ND		0.994	1.10		mg/Kg		110	70 - 130	3	20	
Toluene	ND		0.994	1.09		mg/Kg		109	70 - 130	5	20	
m-Xylene & p-Xylene	ND		1.99	2.15		mg/Kg		108	70 - 130	3	20	
o-Xylene	ND		0.994	1.05		mg/Kg		106	70 - 130	4	20	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-15342/1-A

Matrix: Solid

Analysis Batch: 15384

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 15342

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/04/24 13:38	11/05/24 21:52	1
Ethylbenzene	ND		0.050	mg/Kg		11/04/24 13:38	11/05/24 21:52	1
Toluene	ND		0.050	mg/Kg		11/04/24 13:38	11/05/24 21:52	1
Xylenes, Total	ND		0.10	mg/Kg		11/04/24 13:38	11/05/24 21:52	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	100		48 - 145	11/04/24 13:38	11/05/24 21:52	1

Lab Sample ID: LCS 885-15342/3-A

Matrix: Solid

Analysis Batch: 15384

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 15342

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.08		mg/Kg		108	70 - 130
Ethylbenzene	1.00	1.09		mg/Kg		109	70 - 130
Toluene	1.00	1.10		mg/Kg		110	70 - 130
m-Xylene & p-Xylene	2.00	2.15		mg/Kg		107	70 - 130
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	103		48 - 145

Lab Sample ID: 885-14636-22 MS

Matrix: Solid

Analysis Batch: 15384

Client Sample ID: TB-IW3

Prep Type: Total/NA

Prep Batch: 15342

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		0.935	1.11		mg/Kg		119	70 - 130
Ethylbenzene	ND	F1	0.935	1.19		mg/Kg		127	70 - 130
Toluene	ND		0.935	1.17		mg/Kg		125	70 - 130
m-Xylene & p-Xylene	ND		1.87	2.33		mg/Kg		125	70 - 130
o-Xylene	ND		0.935	1.13		mg/Kg		121	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		48 - 145

Lab Sample ID: 885-14636-22 MSD

Matrix: Solid

Analysis Batch: 15384

Client Sample ID: TB-IW3

Prep Type: Total/NA

Prep Batch: 15342

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Benzene	ND		0.936	1.16		mg/Kg		124	70 - 130	4	20
Ethylbenzene	ND	F1	0.936	1.24	F1	mg/Kg		133	70 - 130	4	20
Toluene	ND		0.936	1.22		mg/Kg		130	70 - 130	4	20
m-Xylene & p-Xylene	ND		1.87	2.41		mg/Kg		129	70 - 130	3	20
o-Xylene	ND		0.936	1.19		mg/Kg		127	70 - 130	5	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-14636-22 MSD
 Matrix: Solid
 Analysis Batch: 15384

Client Sample ID: TB-IW3
 Prep Type: Total/NA
 Prep Batch: 15342

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-15331/1-A
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15331

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/04/24 11:56	11/05/24 14:13	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/04/24 11:56	11/05/24 14:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134	11/04/24 11:56	11/05/24 14:13	1

Lab Sample ID: LCS 885-15331/2-A
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	76.2	*+	mg/Kg		152	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	147	S1+	62 - 134

Lab Sample ID: 885-14636-19 MS
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: TB-W36
 Prep Type: Total/NA
 Prep Batch: 15331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	*+	48.4	42.3		mg/Kg		87	44 - 136

Surrogate	MS %Recovery	MS Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

Lab Sample ID: 885-14636-19 MSD
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: TB-W36
 Prep Type: Total/NA
 Prep Batch: 15331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	*+	49.0	43.9		mg/Kg		90	44 - 136	4	32

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 885-15348/1-A
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15348

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		11/04/24 15:12	11/05/24 19:01	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		11/04/24 15:12	11/05/24 19:01	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			11/04/24 15:12	11/05/24 19:01	1

Lab Sample ID: LCS 885-15348/2-A
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15348

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	78.9	*+	mg/Kg		158	60 - 135
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
Di-n-octyl phthalate (Surr)	148	S1+	62 - 134				

Lab Sample ID: 885-14636-29 MS
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: TB-IW10
 Prep Type: Total/NA
 Prep Batch: 15348

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	ND	*+	47.9	40.7		mg/Kg		85	44 - 136
Surrogate	MS %Recovery	MS Qualifier	Limits						
Di-n-octyl phthalate (Surr)	84		62 - 134						

Lab Sample ID: 885-14636-29 MSD
 Matrix: Solid
 Analysis Batch: 15394

Client Sample ID: TB-IW10
 Prep Type: Total/NA
 Prep Batch: 15348

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND	*+	47.9	36.0		mg/Kg		75	44 - 136	12	32
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Di-n-octyl phthalate (Surr)	80		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-15345/1-A
 Matrix: Solid
 Analysis Batch: 15286

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15345

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/04/24 14:21	11/04/24 15:05	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 885-15345/2-A
 Matrix: Solid
 Analysis Batch: 15286

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15345

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.3		mg/Kg		98	90 - 110

Lab Sample ID: 885-14636-2 MS
 Matrix: Solid
 Analysis Batch: 15286

Client Sample ID: TB-W19
 Prep Type: Total/NA
 Prep Batch: 15345

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	92		30.1	107		mg/Kg		50	50 - 150

Lab Sample ID: 885-14636-2 MSD
 Matrix: Solid
 Analysis Batch: 15286

Client Sample ID: TB-W19
 Prep Type: Total/NA
 Prep Batch: 15345

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	92		30.0	127		mg/Kg		119	50 - 150	18	20

Lab Sample ID: MB 885-15367/1-A
 Matrix: Solid
 Analysis Batch: 15366

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 15367

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/05/24 06:59	11/05/24 08:12	1

Lab Sample ID: LCS 885-15367/2-A
 Matrix: Solid
 Analysis Batch: 15366

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 15367

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.2		mg/Kg		97	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC VOA

Prep Batch: 15313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	5030C	
885-14636-2	TB-W19	Total/NA	Solid	5030C	
885-14636-3	TB-W20	Total/NA	Solid	5030C	
885-14636-4	TB-W21	Total/NA	Solid	5030C	
885-14636-5	TB-W22	Total/NA	Solid	5030C	
885-14636-6	TB-W23	Total/NA	Solid	5030C	
885-14636-7	TB-W24	Total/NA	Solid	5030C	
885-14636-8	TB-W25	Total/NA	Solid	5030C	
885-14636-9	TB-W26	Total/NA	Solid	5030C	
885-14636-10	TB-W27	Total/NA	Solid	5030C	
885-14636-11	TB-W28	Total/NA	Solid	5030C	
885-14636-12	TB-W29	Total/NA	Solid	5030C	
885-14636-13	TB-W30	Total/NA	Solid	5030C	
885-14636-14	TB-W31	Total/NA	Solid	5030C	
885-14636-15	TB-W32	Total/NA	Solid	5030C	
885-14636-16	TB-W33	Total/NA	Solid	5030C	
885-14636-17	TB-W34	Total/NA	Solid	5030C	
885-14636-18	TB-W35	Total/NA	Solid	5030C	
885-14636-19	TB-W36	Total/NA	Solid	5030C	
885-14636-20	TB-IW1	Total/NA	Solid	5030C	
MB 885-15313/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-15313/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-15313/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-14636-1 MS	TB-W18	Total/NA	Solid	5030C	
885-14636-1 MSD	TB-W18	Total/NA	Solid	5030C	
885-14636-2 MS	TB-W19	Total/NA	Solid	5030C	
885-14636-2 MSD	TB-W19	Total/NA	Solid	5030C	

Prep Batch: 15342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-21	TB-IW2	Total/NA	Solid	5030C	
885-14636-22	TB-IW3	Total/NA	Solid	5030C	
885-14636-23	TB-IW4	Total/NA	Solid	5030C	
885-14636-24	TB-IW5	Total/NA	Solid	5030C	
885-14636-25	TB-IW6	Total/NA	Solid	5030C	
885-14636-26	TB-IW7	Total/NA	Solid	5030C	
885-14636-27	TB-IW8	Total/NA	Solid	5030C	
885-14636-28	TB-IW9	Total/NA	Solid	5030C	
885-14636-29	TB-IW10	Total/NA	Solid	5030C	
885-14636-30	TB-IW11	Total/NA	Solid	5030C	
885-14636-31	TB-IW12	Total/NA	Solid	5030C	
885-14636-32	TB-IW13	Total/NA	Solid	5030C	
885-14636-33	TB-IW14	Total/NA	Solid	5030C	
885-14636-34	TB-IW15	Total/NA	Solid	5030C	
885-14636-35	TB-IW16	Total/NA	Solid	5030C	
885-14636-36	TB-IW17	Total/NA	Solid	5030C	
885-14636-37	TB-IW18	Total/NA	Solid	5030C	
885-14636-38	TB-IW19	Total/NA	Solid	5030C	
885-14636-39	TB-IW20	Total/NA	Solid	5030C	
MB 885-15342/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-15342/2-A	Lab Control Sample	Total/NA	Solid	5030C	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC VOA (Continued)

Prep Batch: 15342 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 885-15342/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-14636-21 MS	TB-IW2	Total/NA	Solid	5030C	
885-14636-21 MSD	TB-IW2	Total/NA	Solid	5030C	
885-14636-22 MS	TB-IW3	Total/NA	Solid	5030C	
885-14636-22 MSD	TB-IW3	Total/NA	Solid	5030C	

Analysis Batch: 15383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-21	TB-IW2	Total/NA	Solid	8015M/D	15342
885-14636-22	TB-IW3	Total/NA	Solid	8015M/D	15342
885-14636-23	TB-IW4	Total/NA	Solid	8015M/D	15342
885-14636-24	TB-IW5	Total/NA	Solid	8015M/D	15342
885-14636-25	TB-IW6	Total/NA	Solid	8015M/D	15342
885-14636-26	TB-IW7	Total/NA	Solid	8015M/D	15342
885-14636-27	TB-IW8	Total/NA	Solid	8015M/D	15342
885-14636-28	TB-IW9	Total/NA	Solid	8015M/D	15342
885-14636-29	TB-IW10	Total/NA	Solid	8015M/D	15342
885-14636-30	TB-IW11	Total/NA	Solid	8015M/D	15342
885-14636-31	TB-IW12	Total/NA	Solid	8015M/D	15342
885-14636-32	TB-IW13	Total/NA	Solid	8015M/D	15342
885-14636-33	TB-IW14	Total/NA	Solid	8015M/D	15342
885-14636-34	TB-IW15	Total/NA	Solid	8015M/D	15342
885-14636-35	TB-IW16	Total/NA	Solid	8015M/D	15342
885-14636-36	TB-IW17	Total/NA	Solid	8015M/D	15342
885-14636-37	TB-IW18	Total/NA	Solid	8015M/D	15342
885-14636-38	TB-IW19	Total/NA	Solid	8015M/D	15342
885-14636-39	TB-IW20	Total/NA	Solid	8015M/D	15342
MB 885-15342/1-A	Method Blank	Total/NA	Solid	8015M/D	15342
LCS 885-15342/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15342
885-14636-21 MS	TB-IW2	Total/NA	Solid	8015M/D	15342
885-14636-21 MSD	TB-IW2	Total/NA	Solid	8015M/D	15342

Analysis Batch: 15384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-21	TB-IW2	Total/NA	Solid	8021B	15342
885-14636-22	TB-IW3	Total/NA	Solid	8021B	15342
885-14636-23	TB-IW4	Total/NA	Solid	8021B	15342
885-14636-24	TB-IW5	Total/NA	Solid	8021B	15342
885-14636-25	TB-IW6	Total/NA	Solid	8021B	15342
885-14636-26	TB-IW7	Total/NA	Solid	8021B	15342
885-14636-27	TB-IW8	Total/NA	Solid	8021B	15342
885-14636-28	TB-IW9	Total/NA	Solid	8021B	15342
885-14636-29	TB-IW10	Total/NA	Solid	8021B	15342
885-14636-30	TB-IW11	Total/NA	Solid	8021B	15342
885-14636-31	TB-IW12	Total/NA	Solid	8021B	15342
885-14636-32	TB-IW13	Total/NA	Solid	8021B	15342
885-14636-33	TB-IW14	Total/NA	Solid	8021B	15342
885-14636-34	TB-IW15	Total/NA	Solid	8021B	15342
885-14636-35	TB-IW16	Total/NA	Solid	8021B	15342
885-14636-36	TB-IW17	Total/NA	Solid	8021B	15342
885-14636-37	TB-IW18	Total/NA	Solid	8021B	15342

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC VOA (Continued)

Analysis Batch: 15384 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-38	TB-IW19	Total/NA	Solid	8021B	15342
885-14636-39	TB-IW20	Total/NA	Solid	8021B	15342
MB 885-15342/1-A	Method Blank	Total/NA	Solid	8021B	15342
LCS 885-15342/3-A	Lab Control Sample	Total/NA	Solid	8021B	15342
885-14636-22 MS	TB-IW3	Total/NA	Solid	8021B	15342
885-14636-22 MSD	TB-IW3	Total/NA	Solid	8021B	15342

Analysis Batch: 15537

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	8015M/D	15313
885-14636-2	TB-W19	Total/NA	Solid	8015M/D	15313
885-14636-3	TB-W20	Total/NA	Solid	8015M/D	15313
885-14636-4	TB-W21	Total/NA	Solid	8015M/D	15313
885-14636-5	TB-W22	Total/NA	Solid	8015M/D	15313
885-14636-6	TB-W23	Total/NA	Solid	8015M/D	15313
885-14636-7	TB-W24	Total/NA	Solid	8015M/D	15313
885-14636-8	TB-W25	Total/NA	Solid	8015M/D	15313
885-14636-9	TB-W26	Total/NA	Solid	8015M/D	15313
885-14636-10	TB-W27	Total/NA	Solid	8015M/D	15313
885-14636-11	TB-W28	Total/NA	Solid	8015M/D	15313
885-14636-12	TB-W29	Total/NA	Solid	8015M/D	15313
885-14636-13	TB-W30	Total/NA	Solid	8015M/D	15313
885-14636-14	TB-W31	Total/NA	Solid	8015M/D	15313
885-14636-15	TB-W32	Total/NA	Solid	8015M/D	15313
885-14636-16	TB-W33	Total/NA	Solid	8015M/D	15313
885-14636-17	TB-W34	Total/NA	Solid	8015M/D	15313
885-14636-18	TB-W35	Total/NA	Solid	8015M/D	15313
885-14636-19	TB-W36	Total/NA	Solid	8015M/D	15313
885-14636-20	TB-IW1	Total/NA	Solid	8015M/D	15313
MB 885-15313/1-A	Method Blank	Total/NA	Solid	8015M/D	15313
LCS 885-15313/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15313
885-14636-1 MS	TB-W18	Total/NA	Solid	8015M/D	15313
885-14636-1 MSD	TB-W18	Total/NA	Solid	8015M/D	15313

Analysis Batch: 15538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	8021B	15313
885-14636-2	TB-W19	Total/NA	Solid	8021B	15313
885-14636-3	TB-W20	Total/NA	Solid	8021B	15313
885-14636-4	TB-W21	Total/NA	Solid	8021B	15313
885-14636-5	TB-W22	Total/NA	Solid	8021B	15313
885-14636-6	TB-W23	Total/NA	Solid	8021B	15313
885-14636-7	TB-W24	Total/NA	Solid	8021B	15313
885-14636-8	TB-W25	Total/NA	Solid	8021B	15313
885-14636-9	TB-W26	Total/NA	Solid	8021B	15313
885-14636-10	TB-W27	Total/NA	Solid	8021B	15313
885-14636-11	TB-W28	Total/NA	Solid	8021B	15313
885-14636-12	TB-W29	Total/NA	Solid	8021B	15313
885-14636-13	TB-W30	Total/NA	Solid	8021B	15313
885-14636-14	TB-W31	Total/NA	Solid	8021B	15313
885-14636-15	TB-W32	Total/NA	Solid	8021B	15313

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC VOA (Continued)

Analysis Batch: 15538 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-16	TB-W33	Total/NA	Solid	8021B	15313
885-14636-17	TB-W34	Total/NA	Solid	8021B	15313
885-14636-18	TB-W35	Total/NA	Solid	8021B	15313
885-14636-19	TB-W36	Total/NA	Solid	8021B	15313
885-14636-20	TB-IW1	Total/NA	Solid	8021B	15313
MB 885-15313/1-A	Method Blank	Total/NA	Solid	8021B	15313
LCS 885-15313/3-A	Lab Control Sample	Total/NA	Solid	8021B	15313
885-14636-2 MS	TB-W19	Total/NA	Solid	8021B	15313
885-14636-2 MSD	TB-W19	Total/NA	Solid	8021B	15313

GC Semi VOA

Prep Batch: 15331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	SHAKE	
885-14636-2	TB-W19	Total/NA	Solid	SHAKE	
885-14636-3	TB-W20	Total/NA	Solid	SHAKE	
885-14636-4	TB-W21	Total/NA	Solid	SHAKE	
885-14636-5	TB-W22	Total/NA	Solid	SHAKE	
885-14636-6	TB-W23	Total/NA	Solid	SHAKE	
885-14636-7	TB-W24	Total/NA	Solid	SHAKE	
885-14636-8	TB-W25	Total/NA	Solid	SHAKE	
885-14636-9	TB-W26	Total/NA	Solid	SHAKE	
885-14636-10	TB-W27	Total/NA	Solid	SHAKE	
885-14636-11	TB-W28	Total/NA	Solid	SHAKE	
885-14636-12	TB-W29	Total/NA	Solid	SHAKE	
885-14636-13	TB-W30	Total/NA	Solid	SHAKE	
885-14636-14	TB-W31	Total/NA	Solid	SHAKE	
885-14636-15	TB-W32	Total/NA	Solid	SHAKE	
885-14636-16	TB-W33	Total/NA	Solid	SHAKE	
885-14636-17	TB-W34	Total/NA	Solid	SHAKE	
885-14636-18	TB-W35	Total/NA	Solid	SHAKE	
885-14636-19	TB-W36	Total/NA	Solid	SHAKE	
885-14636-20	TB-IW1	Total/NA	Solid	SHAKE	
MB 885-15331/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-15331/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-14636-19 MS	TB-W36	Total/NA	Solid	SHAKE	
885-14636-19 MSD	TB-W36	Total/NA	Solid	SHAKE	

Prep Batch: 15348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-21	TB-IW2	Total/NA	Solid	SHAKE	
885-14636-22	TB-IW3	Total/NA	Solid	SHAKE	
885-14636-23	TB-IW4	Total/NA	Solid	SHAKE	
885-14636-24	TB-IW5	Total/NA	Solid	SHAKE	
885-14636-25	TB-IW6	Total/NA	Solid	SHAKE	
885-14636-26	TB-IW7	Total/NA	Solid	SHAKE	
885-14636-27	TB-IW8	Total/NA	Solid	SHAKE	
885-14636-28	TB-IW9	Total/NA	Solid	SHAKE	
885-14636-29	TB-IW10	Total/NA	Solid	SHAKE	
885-14636-30	TB-IW11	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC Semi VOA (Continued)

Prep Batch: 15348 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-31	TB-IW12	Total/NA	Solid	SHAKE	
885-14636-32	TB-IW13	Total/NA	Solid	SHAKE	
885-14636-33	TB-IW14	Total/NA	Solid	SHAKE	
885-14636-34	TB-IW15	Total/NA	Solid	SHAKE	
885-14636-35	TB-IW16	Total/NA	Solid	SHAKE	
885-14636-36	TB-IW17	Total/NA	Solid	SHAKE	
885-14636-37	TB-IW18	Total/NA	Solid	SHAKE	
885-14636-38	TB-IW19	Total/NA	Solid	SHAKE	
885-14636-39	TB-IW20	Total/NA	Solid	SHAKE	
MB 885-15348/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-15348/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-14636-29 MS	TB-IW10	Total/NA	Solid	SHAKE	
885-14636-29 MSD	TB-IW10	Total/NA	Solid	SHAKE	

Analysis Batch: 15394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	8015M/D	15331
885-14636-2	TB-W19	Total/NA	Solid	8015M/D	15331
885-14636-3	TB-W20	Total/NA	Solid	8015M/D	15331
885-14636-4	TB-W21	Total/NA	Solid	8015M/D	15331
885-14636-5	TB-W22	Total/NA	Solid	8015M/D	15331
885-14636-6	TB-W23	Total/NA	Solid	8015M/D	15331
885-14636-7	TB-W24	Total/NA	Solid	8015M/D	15331
885-14636-8	TB-W25	Total/NA	Solid	8015M/D	15331
885-14636-9	TB-W26	Total/NA	Solid	8015M/D	15331
885-14636-10	TB-W27	Total/NA	Solid	8015M/D	15331
885-14636-11	TB-W28	Total/NA	Solid	8015M/D	15331
885-14636-12	TB-W29	Total/NA	Solid	8015M/D	15331
885-14636-13	TB-W30	Total/NA	Solid	8015M/D	15331
885-14636-14	TB-W31	Total/NA	Solid	8015M/D	15331
885-14636-15	TB-W32	Total/NA	Solid	8015M/D	15331
885-14636-16	TB-W33	Total/NA	Solid	8015M/D	15331
885-14636-17	TB-W34	Total/NA	Solid	8015M/D	15331
885-14636-18	TB-W35	Total/NA	Solid	8015M/D	15331
885-14636-19	TB-W36	Total/NA	Solid	8015M/D	15331
885-14636-20	TB-IW1	Total/NA	Solid	8015M/D	15331
885-14636-21	TB-IW2	Total/NA	Solid	8015M/D	15348
885-14636-22	TB-IW3	Total/NA	Solid	8015M/D	15348
885-14636-23	TB-IW4	Total/NA	Solid	8015M/D	15348
885-14636-24	TB-IW5	Total/NA	Solid	8015M/D	15348
885-14636-25	TB-IW6	Total/NA	Solid	8015M/D	15348
885-14636-26	TB-IW7	Total/NA	Solid	8015M/D	15348
885-14636-27	TB-IW8	Total/NA	Solid	8015M/D	15348
885-14636-28	TB-IW9	Total/NA	Solid	8015M/D	15348
885-14636-29	TB-IW10	Total/NA	Solid	8015M/D	15348
885-14636-30	TB-IW11	Total/NA	Solid	8015M/D	15348
885-14636-31	TB-IW12	Total/NA	Solid	8015M/D	15348
885-14636-32	TB-IW13	Total/NA	Solid	8015M/D	15348
885-14636-33	TB-IW14	Total/NA	Solid	8015M/D	15348
885-14636-34	TB-IW15	Total/NA	Solid	8015M/D	15348
885-14636-35	TB-IW16	Total/NA	Solid	8015M/D	15348

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

GC Semi VOA (Continued)

Analysis Batch: 15394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-36	TB-IW17	Total/NA	Solid	8015M/D	15348
885-14636-37	TB-IW18	Total/NA	Solid	8015M/D	15348
885-14636-38	TB-IW19	Total/NA	Solid	8015M/D	15348
885-14636-39	TB-IW20	Total/NA	Solid	8015M/D	15348
MB 885-15331/1-A	Method Blank	Total/NA	Solid	8015M/D	15331
MB 885-15348/1-A	Method Blank	Total/NA	Solid	8015M/D	15348
LCS 885-15331/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15331
LCS 885-15348/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	15348
885-14636-19 MS	TB-W36	Total/NA	Solid	8015M/D	15331
885-14636-19 MSD	TB-W36	Total/NA	Solid	8015M/D	15331
885-14636-29 MS	TB-IW10	Total/NA	Solid	8015M/D	15348
885-14636-29 MSD	TB-IW10	Total/NA	Solid	8015M/D	15348

HPLC/IC

Analysis Batch: 15286

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	300.0	15345
885-14636-2	TB-W19	Total/NA	Solid	300.0	15345
885-14636-3	TB-W20	Total/NA	Solid	300.0	15345
885-14636-4	TB-W21	Total/NA	Solid	300.0	15345
885-14636-5	TB-W22	Total/NA	Solid	300.0	15345
885-14636-6	TB-W23	Total/NA	Solid	300.0	15345
885-14636-7	TB-W24	Total/NA	Solid	300.0	15345
885-14636-8	TB-W25	Total/NA	Solid	300.0	15345
885-14636-9	TB-W26	Total/NA	Solid	300.0	15345
885-14636-10	TB-W27	Total/NA	Solid	300.0	15345
885-14636-11	TB-W28	Total/NA	Solid	300.0	15345
885-14636-12	TB-W29	Total/NA	Solid	300.0	15345
885-14636-13	TB-W30	Total/NA	Solid	300.0	15345
885-14636-14	TB-W31	Total/NA	Solid	300.0	15345
885-14636-16	TB-W33	Total/NA	Solid	300.0	15345
885-14636-17	TB-W34	Total/NA	Solid	300.0	15345
885-14636-18	TB-W35	Total/NA	Solid	300.0	15345
885-14636-19	TB-W36	Total/NA	Solid	300.0	15345
885-14636-20	TB-IW1	Total/NA	Solid	300.0	15345
MB 885-15345/1-A	Method Blank	Total/NA	Solid	300.0	15345
LCS 885-15345/2-A	Lab Control Sample	Total/NA	Solid	300.0	15345
885-14636-2 MS	TB-W19	Total/NA	Solid	300.0	15345
885-14636-2 MSD	TB-W19	Total/NA	Solid	300.0	15345

Prep Batch: 15345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-1	TB-W18	Total/NA	Solid	300_Prep	
885-14636-2	TB-W19	Total/NA	Solid	300_Prep	
885-14636-3	TB-W20	Total/NA	Solid	300_Prep	
885-14636-4	TB-W21	Total/NA	Solid	300_Prep	
885-14636-5	TB-W22	Total/NA	Solid	300_Prep	
885-14636-6	TB-W23	Total/NA	Solid	300_Prep	
885-14636-7	TB-W24	Total/NA	Solid	300_Prep	
885-14636-8	TB-W25	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

HPLC/IC (Continued)

Prep Batch: 15345 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-9	TB-W26	Total/NA	Solid	300_Prep	
885-14636-10	TB-W27	Total/NA	Solid	300_Prep	
885-14636-11	TB-W28	Total/NA	Solid	300_Prep	
885-14636-12	TB-W29	Total/NA	Solid	300_Prep	
885-14636-13	TB-W30	Total/NA	Solid	300_Prep	
885-14636-14	TB-W31	Total/NA	Solid	300_Prep	
885-14636-15	TB-W32	Total/NA	Solid	300_Prep	
885-14636-16	TB-W33	Total/NA	Solid	300_Prep	
885-14636-17	TB-W34	Total/NA	Solid	300_Prep	
885-14636-18	TB-W35	Total/NA	Solid	300_Prep	
885-14636-19	TB-W36	Total/NA	Solid	300_Prep	
885-14636-20	TB-IW1	Total/NA	Solid	300_Prep	
MB 885-15345/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-15345/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	
885-14636-2 MS	TB-W19	Total/NA	Solid	300_Prep	
885-14636-2 MSD	TB-W19	Total/NA	Solid	300_Prep	

Analysis Batch: 15366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-15	TB-W32	Total/NA	Solid	300.0	15345
885-14636-21	TB-IW2	Total/NA	Solid	300.0	15367
885-14636-22	TB-IW3	Total/NA	Solid	300.0	15367
885-14636-23	TB-IW4	Total/NA	Solid	300.0	15367
885-14636-24	TB-IW5	Total/NA	Solid	300.0	15367
885-14636-25	TB-IW6	Total/NA	Solid	300.0	15367
885-14636-26	TB-IW7	Total/NA	Solid	300.0	15367
885-14636-27	TB-IW8	Total/NA	Solid	300.0	15367
885-14636-28	TB-IW9	Total/NA	Solid	300.0	15367
885-14636-29	TB-IW10	Total/NA	Solid	300.0	15367
885-14636-30	TB-IW11	Total/NA	Solid	300.0	15367
885-14636-31	TB-IW12	Total/NA	Solid	300.0	15367
885-14636-32	TB-IW13	Total/NA	Solid	300.0	15367
885-14636-33	TB-IW14	Total/NA	Solid	300.0	15367
885-14636-34	TB-IW15	Total/NA	Solid	300.0	15367
885-14636-35	TB-IW16	Total/NA	Solid	300.0	15367
885-14636-36	TB-IW17	Total/NA	Solid	300.0	15367
885-14636-37	TB-IW18	Total/NA	Solid	300.0	15367
885-14636-38	TB-IW19	Total/NA	Solid	300.0	15367
885-14636-39	TB-IW20	Total/NA	Solid	300.0	15367
MB 885-15367/1-A	Method Blank	Total/NA	Solid	300.0	15367
LCS 885-15367/2-A	Lab Control Sample	Total/NA	Solid	300.0	15367

Prep Batch: 15367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-21	TB-IW2	Total/NA	Solid	300_Prep	
885-14636-22	TB-IW3	Total/NA	Solid	300_Prep	
885-14636-23	TB-IW4	Total/NA	Solid	300_Prep	
885-14636-24	TB-IW5	Total/NA	Solid	300_Prep	
885-14636-25	TB-IW6	Total/NA	Solid	300_Prep	
885-14636-26	TB-IW7	Total/NA	Solid	300_Prep	
885-14636-27	TB-IW8	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

HPLC/IC (Continued)

Prep Batch: 15367 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-14636-28	TB-IW9	Total/NA	Solid	300_Prep	
885-14636-29	TB-IW10	Total/NA	Solid	300_Prep	
885-14636-30	TB-IW11	Total/NA	Solid	300_Prep	
885-14636-31	TB-IW12	Total/NA	Solid	300_Prep	
885-14636-32	TB-IW13	Total/NA	Solid	300_Prep	
885-14636-33	TB-IW14	Total/NA	Solid	300_Prep	
885-14636-34	TB-IW15	Total/NA	Solid	300_Prep	
885-14636-35	TB-IW16	Total/NA	Solid	300_Prep	
885-14636-36	TB-IW17	Total/NA	Solid	300_Prep	
885-14636-37	TB-IW18	Total/NA	Solid	300_Prep	
885-14636-38	TB-IW19	Total/NA	Solid	300_Prep	
885-14636-39	TB-IW20	Total/NA	Solid	300_Prep	
MB 885-15367/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-15367/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	



Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W18

Lab Sample ID: 885-14636-1

Date Collected: 11/01/24 08:50

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 18:44
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 18:44
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 14:34
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 15:24

Client Sample ID: TB-W19

Lab Sample ID: 885-14636-2

Date Collected: 11/01/24 08:54

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 19:54
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 19:54
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 14:45
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 15:54

Client Sample ID: TB-W20

Lab Sample ID: 885-14636-3

Date Collected: 11/01/24 09:00

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 21:04
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 21:04
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 14:55
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 16:43

Client Sample ID: TB-W21

Lab Sample ID: 885-14636-4

Date Collected: 11/01/24 09:02

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 21:27

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W21

Lab Sample ID: 885-14636-4

Date Collected: 11/01/24 09:02

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 21:27
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 15:06
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 16:53

Client Sample ID: TB-W22

Lab Sample ID: 885-14636-5

Date Collected: 11/01/24 09:04

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 21:51
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 21:51
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 15:17
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:03

Client Sample ID: TB-W23

Lab Sample ID: 885-14636-6

Date Collected: 11/01/24 09:10

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 22:14
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 22:14
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 15:27
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:13

Client Sample ID: TB-W24

Lab Sample ID: 885-14636-7

Date Collected: 11/01/24 09:14

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 22:37
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 22:37

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W24

Lab Sample ID: 885-14636-7

Date Collected: 11/01/24 09:14

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 15:38
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:23

Client Sample ID: TB-W25

Lab Sample ID: 885-14636-8

Date Collected: 11/01/24 09:22

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 23:00
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 23:00
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 15:59
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:32

Client Sample ID: TB-W26

Lab Sample ID: 885-14636-9

Date Collected: 11/01/24 09:24

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 23:23
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 23:23
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 16:10
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:42

Client Sample ID: TB-W27

Lab Sample ID: 885-14636-10

Date Collected: 11/01/24 09:30

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/07/24 23:46
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/07/24 23:46
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 16:20

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W27

Lab Sample ID: 885-14636-10

Date Collected: 11/01/24 09:30

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 17:52

Client Sample ID: TB-W28

Lab Sample ID: 885-14636-11

Date Collected: 11/01/24 09:36

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 00:33
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 00:33
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 16:31
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 18:22

Client Sample ID: TB-W29

Lab Sample ID: 885-14636-12

Date Collected: 11/01/24 09:42

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 00:56
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 00:56
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 16:42
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 18:31

Client Sample ID: TB-W30

Lab Sample ID: 885-14636-13

Date Collected: 11/01/24 09:48

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 01:19
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 01:19
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 16:52
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 18:41

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W31

Lab Sample ID: 885-14636-14

Date Collected: 11/01/24 10:00

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 01:42
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 01:42
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 17:03
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 18:51

Client Sample ID: TB-W32

Lab Sample ID: 885-14636-15

Date Collected: 11/01/24 10:02

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 02:05
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 02:05
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 17:14
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		50	15366	JT	EET ALB	11/05/24 08:02

Client Sample ID: TB-W33

Lab Sample ID: 885-14636-16

Date Collected: 11/01/24 10:06

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 02:28
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 02:28
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 17:24
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 19:11

Client Sample ID: TB-W34

Lab Sample ID: 885-14636-17

Date Collected: 11/01/24 10:10

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 02:51

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-W34

Lab Sample ID: 885-14636-17

Date Collected: 11/01/24 10:10

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 02:51
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 17:35
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 19:21

Client Sample ID: TB-W35

Lab Sample ID: 885-14636-18

Date Collected: 11/01/24 10:12

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 03:15
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 03:15
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 17:56
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 19:31

Client Sample ID: TB-W36

Lab Sample ID: 885-14636-19

Date Collected: 11/01/24 10:14

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 03:38
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 03:38
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 18:07
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 19:40

Client Sample ID: TB-IW1

Lab Sample ID: 885-14636-20

Date Collected: 11/01/24 10:16

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8015M/D		1	15537	JP	EET ALB	11/08/24 04:01
Total/NA	Prep	5030C			15313	AT	EET ALB	11/04/24 10:35
Total/NA	Analysis	8021B		1	15538	JP	EET ALB	11/08/24 04:01

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW1

Lab Sample ID: 885-14636-20

Date Collected: 11/01/24 10:16

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			15331	MI	EET ALB	11/04/24 11:56
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 18:40
Total/NA	Prep	300_Prep			15345	JT	EET ALB	11/04/24 14:21
Total/NA	Analysis	300.0		20	15286	JT	EET ALB	11/04/24 19:50

Client Sample ID: TB-IW2

Lab Sample ID: 885-14636-21

Date Collected: 11/01/24 10:20

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/05/24 22:15
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/05/24 22:15
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 19:22
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 08:31

Client Sample ID: TB-IW3

Lab Sample ID: 885-14636-22

Date Collected: 11/01/24 10:22

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/05/24 23:26
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/05/24 23:26
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 19:33
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 09:01

Client Sample ID: TB-IW4

Lab Sample ID: 885-14636-23

Date Collected: 11/01/24 10:24

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 00:36
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 00:36
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 19:44

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW4

Lab Sample ID: 885-14636-23

Date Collected: 11/01/24 10:24

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 09:31

Client Sample ID: TB-IW5

Lab Sample ID: 885-14636-24

Date Collected: 11/01/24 10:26

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 01:00
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 01:00
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 19:55
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:00

Client Sample ID: TB-IW6

Lab Sample ID: 885-14636-25

Date Collected: 11/01/24 10:30

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 01:23
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 01:23
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 20:05
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:10

Client Sample ID: TB-IW7

Lab Sample ID: 885-14636-26

Date Collected: 11/01/24 10:34

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 01:47
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 01:47
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 20:16
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:20

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW8

Lab Sample ID: 885-14636-27

Date Collected: 11/01/24 10:36

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 02:10
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 02:10
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 20:27
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:30

Client Sample ID: TB-IW9

Lab Sample ID: 885-14636-28

Date Collected: 11/01/24 10:38

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 02:34
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 02:34
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 20:37
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:39

Client Sample ID: TB-IW10

Lab Sample ID: 885-14636-29

Date Collected: 11/01/24 10:40

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 02:57
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 02:57
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 20:58
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 10:49

Client Sample ID: TB-IW11

Lab Sample ID: 885-14636-30

Date Collected: 11/01/24 10:42

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 03:21

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW11

Lab Sample ID: 885-14636-30

Date Collected: 11/01/24 10:42

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 03:21
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 21:30
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 11:09

Client Sample ID: TB-IW12

Lab Sample ID: 885-14636-31

Date Collected: 11/01/24 10:46

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 04:07
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 04:07
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 21:40
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 11:19

Client Sample ID: TB-IW13

Lab Sample ID: 885-14636-32

Date Collected: 11/01/24 10:50

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 04:31
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 04:31
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 21:51
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 11:29

Client Sample ID: TB-IW14

Lab Sample ID: 885-14636-33

Date Collected: 11/01/24 10:56

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 04:54
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 04:54

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW14

Lab Sample ID: 885-14636-33

Date Collected: 11/01/24 10:56

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 22:02
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 11:58

Client Sample ID: TB-IW15

Lab Sample ID: 885-14636-34

Date Collected: 11/01/24 11:00

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 05:17
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 05:17
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 22:12
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:08

Client Sample ID: TB-IW16

Lab Sample ID: 885-14636-35

Date Collected: 11/01/24 11:02

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 05:41
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 05:41
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 22:22
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:18

Client Sample ID: TB-IW17

Lab Sample ID: 885-14636-36

Date Collected: 11/01/24 11:04

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 06:04
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 06:04
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 22:33

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-14636-1

Client Sample ID: TB-IW17

Lab Sample ID: 885-14636-36

Date Collected: 11/01/24 11:04

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:28

Client Sample ID: TB-IW18

Lab Sample ID: 885-14636-37

Date Collected: 11/01/24 11:06

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 06:27
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 06:27
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 22:54
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:38

Client Sample ID: TB-IW19

Lab Sample ID: 885-14636-38

Date Collected: 11/01/24 11:10

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 06:51
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 06:51
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 23:04
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:47

Client Sample ID: TB-IW20

Lab Sample ID: 885-14636-39

Date Collected: 11/01/24 11:12

Matrix: Solid

Date Received: 11/02/24 08:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8015M/D		1	15383	JP	EET ALB	11/06/24 07:14
Total/NA	Prep	5030C			15342	JP	EET ALB	11/04/24 13:38
Total/NA	Analysis	8021B		1	15384	JP	EET ALB	11/06/24 07:14
Total/NA	Prep	SHAKE			15348	MI	EET ALB	11/04/24 15:12
Total/NA	Analysis	8015M/D		1	15394	MI	EET ALB	11/05/24 23:15
Total/NA	Prep	300_Prep			15367	JT	EET ALB	11/05/24 06:59
Total/NA	Analysis	300.0		20	15366	JT	EET ALB	11/05/24 12:57

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

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Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-14636-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Turn-Around Time:

Standard Rush 5 DAY 7AT

Project Name:

Roy SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No

of Coolers: 1

Cooler Temp (including CF): 0.60.2=0.9

Container Type and #

1x4oz Jar

Preservative Type

ICE

HEAL No.

85
86
87
88
89
90
91
92
93
94
95
96

Sample Name

TB-IW6

TB-IW7

TB-IW8

TB-IW9

TB-IW10

TB-IW11

TB-IW12

TB-IW13

TB-IW14

TB-IW15

TB-IW16

TB-IW17

Date Time Matrix

11/17/24 1036 SOIL

1034

1036

1038

1040

1042

1046

1050

1056

1100

1102

1104

Date Time: 11/17/24 1513

Date Time: 11/17/24 1513

Received by: [Signature]

Via: Courier

Date Time: 11/24 8:15

Received by: [Signature]

Via: Courier

Date Time: 11/24 8:15

TPH,8015D(GRO / DRO / MRO)

BTEX (8021)

Chloride (EPA 300)

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

X

Remarks: Bill to EOG-Testa

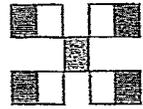
MIOCLAND

Analysis Request

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

HALL ENVIRONMENTAL ANALYSIS LABORATORY



If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-14636-1

Login Number: 14636

List Source: Eurofins Albuquerque

List Number: 1

Creator: McQuiston, Steven

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 12/5/2024 8:48:32 AM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-15993-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
12/5/2024 8:48:32 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-15993-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15993-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
S1-	Surrogate recovery exceeds control limits, low biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-15993-1

Job ID: 885-15993-1

Eurofins Albuquerque

Job Narrative 885-15993-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 11/27/2024 7:47 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015D_DRO: The continuing calibration verification (CCV) associated with batch 885-16826 recovered above the upper control limit for Diesel Range Organics [C10-C28]. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TB-W35A (885-15993-14).

Method 8015D_DRO: The following sample was diluted due to the nature of the sample matrix: TB-W34A (885-15993-13)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Eurofins Albuquerque



Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W18A

Lab Sample ID: 885-15993-1

Date Collected: 11/25/24 09:18

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 10:23	12/02/24 10:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	90		35 - 166			11/27/24 10:23	12/02/24 10:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 10:34	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 10:34	1
Toluene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 10:34	1
Xylenes, Total	ND		0.097	mg/Kg		11/27/24 10:23	12/02/24 10:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/27/24 10:23	12/02/24 10:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		12/02/24 11:55	12/02/24 14:16	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/02/24 11:55	12/02/24 14:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	108		62 - 134			12/02/24 11:55	12/02/24 14:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		60	mg/Kg		11/27/24 12:41	11/27/24 14:55	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W19A

Lab Sample ID: 885-15993-2

Date Collected: 11/25/24 09:54

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/27/24 10:23	12/02/24 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		35 - 166			11/27/24 10:23	12/02/24 11:45	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 11:45	1
Ethylbenzene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 11:45	1
Toluene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 11:45	1
Xylenes, Total	ND		0.096	mg/Kg		11/27/24 10:23	12/02/24 11:45	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		48 - 145			11/27/24 10:23	12/02/24 11:45	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	460		9.7	mg/Kg		12/02/24 11:55	12/02/24 14:29	1
Motor Oil Range Organics [C28-C40]	810		49	mg/Kg		12/02/24 11:55	12/02/24 14:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			12/02/24 11:55	12/02/24 14:29	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		11/27/24 12:41	11/27/24 15:24	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W20A

Lab Sample ID: 885-15993-3

Date Collected: 11/25/24 09:56

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 10:23	12/02/24 12:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 12:55	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/27/24 10:23	12/02/24 12:55	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 12:55	1
Toluene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 12:55	1
Xylenes, Total	ND		0.098	mg/Kg		11/27/24 10:23	12/02/24 12:55	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/27/24 10:23	12/02/24 12:55	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		12/02/24 11:55	12/02/24 14:41	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:55	12/02/24 14:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			12/02/24 11:55	12/02/24 14:41	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		11/27/24 12:41	11/27/24 15:34	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W21A

Lab Sample ID: 885-15993-4

Date Collected: 11/25/24 10:00

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/27/24 10:23	12/02/24 13:19	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 13:19	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 13:19	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 13:19	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 10:23	12/02/24 13:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			11/27/24 10:23	12/02/24 13:19	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/24 11:55	12/02/24 14:54	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:55	12/02/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			12/02/24 11:55	12/02/24 14:54	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	400		60	mg/Kg		11/27/24 12:41	11/27/24 15:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W22A

Lab Sample ID: 885-15993-5

Date Collected: 11/25/24 10:02

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		11/27/24 10:23	12/02/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 13:43	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 13:43	1
Ethylbenzene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 13:43	1
Toluene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 13:43	1
Xylenes, Total	ND		0.092	mg/Kg		11/27/24 10:23	12/02/24 13:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/27/24 10:23	12/02/24 13:43	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		12/02/24 11:55	12/02/24 15:06	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:55	12/02/24 15:06	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	97		62 - 134			12/02/24 11:55	12/02/24 15:06	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		60	mg/Kg		11/27/24 12:41	11/27/24 15:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W24A

Lab Sample ID: 885-15993-6

Date Collected: 11/25/24 10:04

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/27/24 10:23	12/02/24 14:07	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 14:07	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 14:07	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 14:07	1
Xylenes, Total	ND		0.095	mg/Kg		11/27/24 10:23	12/02/24 14:07	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			11/27/24 10:23	12/02/24 14:07	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		12/02/24 11:55	12/02/24 15:18	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/02/24 11:55	12/02/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/02/24 11:55	12/02/24 15:18	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		11/27/24 12:41	11/27/24 16:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W26A

Lab Sample ID: 885-15993-7

Date Collected: 11/25/24 10:10

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/27/24 10:23	12/02/24 14:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 14:30	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 14:30	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 14:30	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 10:23	12/02/24 14:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			11/27/24 10:23	12/02/24 14:30	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		12/02/24 11:55	12/02/24 15:31	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:55	12/02/24 15:31	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			12/02/24 11:55	12/02/24 15:31	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	250		60	mg/Kg		11/27/24 12:41	11/27/24 16:33	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W28A

Lab Sample ID: 885-15993-8

Date Collected: 11/25/24 10:12

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		11/27/24 10:23	12/02/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/27/24 10:23	12/02/24 14:54	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 14:54	1
Ethylbenzene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 14:54	1
Toluene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 14:54	1
Xylenes, Total	ND		0.093	mg/Kg		11/27/24 10:23	12/02/24 14:54	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			11/27/24 10:23	12/02/24 14:54	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	250		9.7	mg/Kg		12/02/24 11:55	12/02/24 15:43	1
Motor Oil Range Organics [C28-C40]	390		48	mg/Kg		12/02/24 11:55	12/02/24 15:43	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/02/24 11:55	12/02/24 15:43	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		60	mg/Kg		11/27/24 12:41	11/27/24 16:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W29A

Lab Sample ID: 885-15993-9

Date Collected: 11/25/24 10:20

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/27/24 10:23	12/02/24 15:18	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 15:18	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 15:18	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 15:18	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 10:23	12/02/24 15:18	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/27/24 10:23	12/02/24 15:18	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		12/02/24 11:55	12/02/24 16:08	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/02/24 11:55	12/02/24 16:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/02/24 11:55	12/02/24 16:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	680		60	mg/Kg		11/27/24 12:41	11/27/24 16:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W30A

Lab Sample ID: 885-15993-10

Date Collected: 11/25/24 10:24

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		11/27/24 10:23	12/02/24 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		35 - 166			11/27/24 10:23	12/02/24 15:42	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 15:42	1
Ethylbenzene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 15:42	1
Toluene	ND		0.046	mg/Kg		11/27/24 10:23	12/02/24 15:42	1
Xylenes, Total	ND		0.092	mg/Kg		11/27/24 10:23	12/02/24 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		48 - 145			11/27/24 10:23	12/02/24 15:42	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.1	mg/Kg		12/02/24 11:55	12/02/24 16:21	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/02/24 11:55	12/02/24 16:21	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	98		62 - 134			12/02/24 11:55	12/02/24 16:21	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	440		60	mg/Kg		11/27/24 12:41	11/27/24 17:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W32A

Lab Sample ID: 885-15993-11

Date Collected: 11/25/24 10:30

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 10:23	12/02/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 16:30	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/27/24 10:23	12/02/24 16:30	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 16:30	1
Toluene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 16:30	1
Xylenes, Total	ND		0.098	mg/Kg		11/27/24 10:23	12/02/24 16:30	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/27/24 10:23	12/02/24 16:30	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.3	mg/Kg		12/02/24 11:55	12/02/24 16:33	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/02/24 11:55	12/02/24 16:33	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	106		62 - 134			12/02/24 11:55	12/02/24 16:33	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	360		60	mg/Kg		11/27/24 12:41	11/27/24 17:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W33A

Lab Sample ID: 885-15993-12

Date Collected: 11/25/24 11:10

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 10:23	12/02/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/27/24 10:23	12/02/24 16:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/27/24 10:23	12/02/24 16:53	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 16:53	1
Toluene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 16:53	1
Xylenes, Total	ND		0.099	mg/Kg		11/27/24 10:23	12/02/24 16:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			11/27/24 10:23	12/02/24 16:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/24 11:55	12/02/24 17:19	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:55	12/02/24 17:19	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134			12/02/24 11:55	12/02/24 17:19	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		11/27/24 12:41	11/27/24 17:42	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W34A

Lab Sample ID: 885-15993-13

Date Collected: 11/25/24 11:12

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/27/24 10:23	12/02/24 17:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 17:17	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 17:17	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 17:17	1
Xylenes, Total	ND		0.093	mg/Kg		11/27/24 10:23	12/02/24 17:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			11/27/24 10:23	12/02/24 17:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	4100		95	mg/Kg		12/02/24 11:55	12/03/24 14:06	10
Motor Oil Range Organics [C28-C40]	7700		470	mg/Kg		12/02/24 11:55	12/03/24 14:06	10
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	0	S1- D	62 - 134			12/02/24 11:55	12/03/24 14:06	10

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		60	mg/Kg		11/27/24 12:41	11/27/24 17:52	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W35A

Lab Sample ID: 885-15993-14

Date Collected: 11/25/24 11:14

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/27/24 10:23	12/02/24 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/27/24 10:23	12/02/24 17:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 17:41	1
Ethylbenzene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 17:41	1
Toluene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 17:41	1
Xylenes, Total	ND		0.095	mg/Kg		11/27/24 10:23	12/02/24 17:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		48 - 145			11/27/24 10:23	12/02/24 17:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		12/02/24 11:55	12/03/24 11:50	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:55	12/03/24 11:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			12/02/24 11:55	12/03/24 11:50	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		60	mg/Kg		11/27/24 12:41	11/27/24 18:02	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW3A

Lab Sample ID: 885-15993-15

Date Collected: 11/25/24 11:16

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		35 - 166			11/27/24 10:23	12/02/24 18:04	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 10:23	12/02/24 18:04	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 18:04	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 18:04	1
Xylenes, Total	ND		0.093	mg/Kg		11/27/24 10:23	12/02/24 18:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		48 - 145			11/27/24 10:23	12/02/24 18:04	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		12/02/24 11:55	12/02/24 18:20	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:55	12/02/24 18:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			12/02/24 11:55	12/02/24 18:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		11/27/24 12:41	11/27/24 18:31	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW4A

Lab Sample ID: 885-15993-16

Date Collected: 11/25/24 11:18

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 18:28	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 18:28	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 18:28	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 18:28	1
Xylenes, Total	ND		0.095	mg/Kg		11/27/24 10:23	12/02/24 18:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/27/24 10:23	12/02/24 18:28	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		12/02/24 11:55	12/02/24 18:32	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:55	12/02/24 18:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			12/02/24 11:55	12/02/24 18:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		11/27/24 12:41	11/27/24 18:41	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW6A

Lab Sample ID: 885-15993-17

Date Collected: 11/25/24 11:24

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/27/24 10:23	12/02/24 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 18:52	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 18:52	1
Ethylbenzene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 18:52	1
Toluene	ND		0.048	mg/Kg		11/27/24 10:23	12/02/24 18:52	1
Xylenes, Total	ND		0.096	mg/Kg		11/27/24 10:23	12/02/24 18:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/27/24 10:23	12/02/24 18:52	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		12/02/24 11:55	12/02/24 18:56	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/24 11:55	12/02/24 18:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	107		62 - 134			12/02/24 11:55	12/02/24 18:56	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1300		60	mg/Kg		11/27/24 12:41	11/27/24 18:51	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW8A

Lab Sample ID: 885-15993-18

Date Collected: 11/25/24 11:30

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 19:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			11/27/24 10:23	12/02/24 19:15	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 19:15	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 19:15	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 19:15	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 10:23	12/02/24 19:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			11/27/24 10:23	12/02/24 19:15	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		12/02/24 11:55	12/02/24 19:08	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:55	12/02/24 19:08	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134			12/02/24 11:55	12/02/24 19:08	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		11/27/24 12:41	11/27/24 19:01	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW9A

Lab Sample ID: 885-15993-19

Date Collected: 11/25/24 11:32

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 10:23	12/02/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		35 - 166			11/27/24 10:23	12/02/24 19:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 19:39	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 19:39	1
Toluene	ND		0.047	mg/Kg		11/27/24 10:23	12/02/24 19:39	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 10:23	12/02/24 19:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/27/24 10:23	12/02/24 19:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		12/02/24 11:55	12/02/24 19:20	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/02/24 11:55	12/02/24 19:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/02/24 11:55	12/02/24 19:20	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		59	mg/Kg		11/27/24 12:41	11/27/24 19:11	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW10A

Lab Sample ID: 885-15993-20

Date Collected: 11/25/24 11:40

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 10:23	12/02/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166			11/27/24 10:23	12/02/24 20:02	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 10:23	12/02/24 20:02	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 20:02	1
Toluene	ND		0.049	mg/Kg		11/27/24 10:23	12/02/24 20:02	1
Xylenes, Total	ND		0.098	mg/Kg		11/27/24 10:23	12/02/24 20:02	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145			11/27/24 10:23	12/02/24 20:02	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		12/02/24 11:55	12/02/24 19:32	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/02/24 11:55	12/02/24 19:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	89		62 - 134			12/02/24 11:55	12/02/24 19:32	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	170		60	mg/Kg		11/27/24 12:41	11/27/24 19:21	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW12A

Lab Sample ID: 885-15993-21

Date Collected: 11/25/24 11:42

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 11:37	12/02/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			11/27/24 11:37	12/02/24 22:46	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		11/27/24 11:37	12/02/24 22:46	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 11:37	12/02/24 22:46	1
Toluene	ND		0.049	mg/Kg		11/27/24 11:37	12/02/24 22:46	1
Xylenes, Total	ND		0.099	mg/Kg		11/27/24 11:37	12/02/24 22:46	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			11/27/24 11:37	12/02/24 22:46	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		12/02/24 11:08	12/02/24 13:28	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/24 11:08	12/02/24 13:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/02/24 11:08	12/02/24 13:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		60	mg/Kg		11/27/24 14:36	12/02/24 10:12	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW14A

Lab Sample ID: 885-15993-22

Date Collected: 11/25/24 11:46

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		11/27/24 11:37	12/02/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			11/27/24 11:37	12/02/24 23:10	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 11:37	12/02/24 23:10	1
Ethylbenzene	ND		0.049	mg/Kg		11/27/24 11:37	12/02/24 23:10	1
Toluene	ND		0.049	mg/Kg		11/27/24 11:37	12/02/24 23:10	1
Xylenes, Total	ND		0.098	mg/Kg		11/27/24 11:37	12/02/24 23:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/27/24 11:37	12/02/24 23:10	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		12/02/24 11:08	12/02/24 13:38	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:08	12/02/24 13:38	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			12/02/24 11:08	12/02/24 13:38	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	300		60	mg/Kg		11/27/24 14:36	12/02/24 10:43	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW15A

Lab Sample ID: 885-15993-23

Date Collected: 11/25/24 11:50

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		11/27/24 11:37	12/03/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		35 - 166			11/27/24 11:37	12/03/24 00:20	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 11:37	12/03/24 00:20	1
Ethylbenzene	ND		0.047	mg/Kg		11/27/24 11:37	12/03/24 00:20	1
Toluene	ND		0.047	mg/Kg		11/27/24 11:37	12/03/24 00:20	1
Xylenes, Total	ND		0.094	mg/Kg		11/27/24 11:37	12/03/24 00:20	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/27/24 11:37	12/03/24 00:20	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		12/02/24 11:08	12/02/24 13:49	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/02/24 11:08	12/02/24 13:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/02/24 11:08	12/02/24 13:49	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	640		60	mg/Kg		11/27/24 14:36	12/02/24 10:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW17A

Lab Sample ID: 885-15993-24

Date Collected: 11/25/24 11:54

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.8	mg/Kg		11/27/24 11:37	12/03/24 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			11/27/24 11:37	12/03/24 01:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		11/27/24 11:37	12/03/24 01:29	1
Ethylbenzene	ND		0.048	mg/Kg		11/27/24 11:37	12/03/24 01:29	1
Toluene	ND		0.048	mg/Kg		11/27/24 11:37	12/03/24 01:29	1
Xylenes, Total	ND		0.096	mg/Kg		11/27/24 11:37	12/03/24 01:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			11/27/24 11:37	12/03/24 01:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		12/02/24 11:08	12/02/24 13:59	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/02/24 11:08	12/02/24 13:59	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			12/02/24 11:08	12/02/24 13:59	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2000		60	mg/Kg		11/27/24 14:36	12/02/24 11:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW18

Lab Sample ID: 885-15993-25

Date Collected: 11/25/24 11:58

Matrix: Solid

Date Received: 11/27/24 07:47

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.6	mg/Kg		11/27/24 11:37	12/03/24 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		35 - 166			11/27/24 11:37	12/03/24 01:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.023	mg/Kg		11/27/24 11:37	12/03/24 01:53	1
Ethylbenzene	ND		0.046	mg/Kg		11/27/24 11:37	12/03/24 01:53	1
Toluene	ND		0.046	mg/Kg		11/27/24 11:37	12/03/24 01:53	1
Xylenes, Total	ND		0.092	mg/Kg		11/27/24 11:37	12/03/24 01:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		48 - 145			11/27/24 11:37	12/03/24 01:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		12/02/24 11:08	12/02/24 14:10	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/02/24 11:08	12/02/24 14:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	99		62 - 134			12/02/24 11:08	12/02/24 14:10	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	240		60	mg/Kg		11/27/24 14:36	12/02/24 11:34	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-16748/1-A
Matrix: Solid
Analysis Batch: 16796

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16748

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/27/24 10:23	12/02/24 10:11	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			11/27/24 10:23	12/02/24 10:11	1

Lab Sample ID: LCS 885-16748/2-A
Matrix: Solid
Analysis Batch: 16796

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 16748

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	22.2		mg/Kg		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	182		35 - 166				

Lab Sample ID: 885-15993-1 MS
Matrix: Solid
Analysis Batch: 16796

Client Sample ID: TB-W18A
Prep Type: Total/NA
Prep Batch: 16748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		24.2	21.7		mg/Kg		90	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	188		35 - 166						

Lab Sample ID: 885-15993-1 MSD
Matrix: Solid
Analysis Batch: 16796

Client Sample ID: TB-W18A
Prep Type: Total/NA
Prep Batch: 16748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	ND		24.2	20.2		mg/Kg		84	70 - 130	7	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	186		35 - 166								

Lab Sample ID: MB 885-16756/1-A
Matrix: Solid
Analysis Batch: 16861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 16756

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		11/27/24 11:37	12/02/24 22:23	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Lab Sample ID: MB 885-16756/1-A
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16756

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	93		35 - 166	11/27/24 11:37	12/02/24 22:23	1

Lab Sample ID: LCS 885-16756/2-A
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	187		35 - 166

Lab Sample ID: 885-15993-22 MS
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: TB-IW14A
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	ND		24.4	19.4		mg/Kg		80	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	181		35 - 166

Lab Sample ID: 885-15993-22 MSD
 Matrix: Solid
 Analysis Batch: 16861

Client Sample ID: TB-IW14A
 Prep Type: Total/NA
 Prep Batch: 16756

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
				Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	ND		24.5	18.7		mg/Kg		76	70 - 130	4	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	179		35 - 166

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-16748/1-A
 Matrix: Solid
 Analysis Batch: 16797

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16748

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/27/24 10:23	12/02/24 10:11	1
Ethylbenzene	ND		0.050	mg/Kg		11/27/24 10:23	12/02/24 10:11	1
Toluene	ND		0.050	mg/Kg		11/27/24 10:23	12/02/24 10:11	1
Xylenes, Total	ND		0.10	mg/Kg		11/27/24 10:23	12/02/24 10:11	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-16748/1-A
 Matrix: Solid
 Analysis Batch: 16797

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16748

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		48 - 145	11/27/24 10:23	12/02/24 10:11	1

Lab Sample ID: LCS 885-16748/3-A
 Matrix: Solid
 Analysis Batch: 16797

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16748

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.16		mg/Kg		116	70 - 130
Ethylbenzene	1.00	1.16		mg/Kg		116	70 - 130
Toluene	1.00	1.20		mg/Kg		120	70 - 130
m-Xylene & p-Xylene	2.00	2.29		mg/Kg		114	70 - 130
o-Xylene	1.00	1.11		mg/Kg		111	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		48 - 145

Lab Sample ID: 885-15993-2 MS
 Matrix: Solid
 Analysis Batch: 16797

Client Sample ID: TB-W19A
 Prep Type: Total/NA
 Prep Batch: 16748

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
Benzene	ND		0.952	0.999		mg/Kg		105	70 - 130
Ethylbenzene	ND		0.952	1.02		mg/Kg		107	70 - 130
Toluene	ND		0.952	1.04		mg/Kg		109	70 - 130
m-Xylene & p-Xylene	ND		1.90	2.01		mg/Kg		105	70 - 130
o-Xylene	ND		0.952	0.994		mg/Kg		104	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	106		48 - 145

Lab Sample ID: 885-15993-2 MSD
 Matrix: Solid
 Analysis Batch: 16797

Client Sample ID: TB-W19A
 Prep Type: Total/NA
 Prep Batch: 16748

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD MSD		Unit	D	%Rec	%Rec Limits	RPD	
				Result	Qualifier					RPD	Limit
Benzene	ND		0.949	1.04		mg/Kg		109	70 - 130	4	20
Ethylbenzene	ND		0.949	1.07		mg/Kg		113	70 - 130	5	20
Toluene	ND		0.949	1.07		mg/Kg		113	70 - 130	3	20
m-Xylene & p-Xylene	ND		1.90	2.10		mg/Kg		111	70 - 130	4	20
o-Xylene	ND		0.949	1.04		mg/Kg		109	70 - 130	4	20

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	108		48 - 145

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-16756/1-A

Matrix: Solid

Analysis Batch: 16860

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 16756

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		0.025	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Ethylbenzene	ND		0.050	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Toluene	ND		0.050	mg/Kg		11/27/24 11:37	12/02/24 22:23	1
Xylenes, Total	ND		0.10	mg/Kg		11/27/24 11:37	12/02/24 22:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	101		48 - 145	11/27/24 11:37	12/02/24 22:23	1

Lab Sample ID: LCS 885-16756/3-A

Matrix: Solid

Analysis Batch: 16860

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 16756

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	1.00	1.15		mg/Kg		115	70 - 130
Ethylbenzene	1.00	1.17		mg/Kg		117	70 - 130
Toluene	1.00	1.17		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	2.00	2.28		mg/Kg		114	70 - 130
o-Xylene	1.00	1.13		mg/Kg		113	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	104		48 - 145

Lab Sample ID: 885-15993-23 MS

Matrix: Solid

Analysis Batch: 16860

Client Sample ID: TB-IW15A

Prep Type: Total/NA

Prep Batch: 16756

Analyte	Sample	Sample	Spike Added	MS	MS	Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	ND		0.935	0.921		mg/Kg		98	70 - 130
Ethylbenzene	ND		0.935	0.972		mg/Kg		104	70 - 130
Toluene	ND		0.935	0.972		mg/Kg		104	70 - 130
m-Xylene & p-Xylene	ND		1.87	1.92		mg/Kg		102	70 - 130
o-Xylene	ND		0.935	0.941		mg/Kg		101	70 - 130

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	102		48 - 145

Lab Sample ID: 885-15993-23 MSD

Matrix: Solid

Analysis Batch: 16860

Client Sample ID: TB-IW15A

Prep Type: Total/NA

Prep Batch: 16756

Analyte	Sample	Sample	Spike Added	MSD	MSD	Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
Benzene	ND		0.929	0.933		mg/Kg		100	70 - 130	1	20
Ethylbenzene	ND		0.929	0.964		mg/Kg		104	70 - 130	1	20
Toluene	ND		0.929	0.977		mg/Kg		105	70 - 130	0	20
m-Xylene & p-Xylene	ND		1.86	1.91		mg/Kg		102	70 - 130	1	20
o-Xylene	ND		0.929	0.933		mg/Kg		100	70 - 130	1	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-15993-23 MSD
 Matrix: Solid
 Analysis Batch: 16860

Client Sample ID: TB-IW15A
 Prep Type: Total/NA
 Prep Batch: 16756

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-16827/1-A
 Matrix: Solid
 Analysis Batch: 16831

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16827

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/24 11:08	12/02/24 12:56	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:08	12/02/24 12:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134	12/02/24 11:08	12/02/24 12:56	1

Lab Sample ID: LCS 885-16827/2-A
 Matrix: Solid
 Analysis Batch: 16831

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16827

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	36.3		mg/Kg		73	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	89		62 - 134

Lab Sample ID: MB 885-16837/1-A
 Matrix: Solid
 Analysis Batch: 16826

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16837

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/02/24 11:55	12/02/24 13:52	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/02/24 11:55	12/02/24 13:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	105		62 - 134	12/02/24 11:55	12/02/24 13:52	1

Lab Sample ID: LCS 885-16837/2-A
 Matrix: Solid
 Analysis Batch: 16826

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16837

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	46.5		mg/Kg		93	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	104		62 - 134

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Method: 8015M/D - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 885-15993-14 MS
 Matrix: Solid
 Analysis Batch: 16826

Client Sample ID: TB-W35A
 Prep Type: Total/NA
 Prep Batch: 16837

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	
Diesel Range Organics [C10-C28]	ND		47.2	44.5		mg/Kg		94	44 - 136	
Surrogate	%Recovery	MS Qualifier	MS Limits							
Di-n-octyl phthalate (Surr)	106		62 - 134							

Lab Sample ID: 885-15993-14 MSD
 Matrix: Solid
 Analysis Batch: 16826

Client Sample ID: TB-W35A
 Prep Type: Total/NA
 Prep Batch: 16837

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	ND		46.7	48.4		mg/Kg		104	44 - 136	9	32
Surrogate	%Recovery	MSD Qualifier	MSD Limits								
Di-n-octyl phthalate (Surr)	113		62 - 134								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-16763/1-A
 Matrix: Solid
 Analysis Batch: 16771

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16763

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/27/24 12:41	11/27/24 14:35	1

Lab Sample ID: LCS 885-16763/2-A
 Matrix: Solid
 Analysis Batch: 16771

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16763

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.5		mg/Kg		95	90 - 110

Lab Sample ID: MB 885-16775/1-A
 Matrix: Solid
 Analysis Batch: 16799

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 16775

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		11/27/24 14:36	12/02/24 08:59	1

Lab Sample ID: LCS 885-16775/2-A
 Matrix: Solid
 Analysis Batch: 16799

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 16775

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.7		mg/Kg		96	90 - 110

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

GC VOA

Prep Batch: 16748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	5030C	
885-15993-2	TB-W19A	Total/NA	Solid	5030C	
885-15993-3	TB-W20A	Total/NA	Solid	5030C	
885-15993-4	TB-W21A	Total/NA	Solid	5030C	
885-15993-5	TB-W22A	Total/NA	Solid	5030C	
885-15993-6	TB-W24A	Total/NA	Solid	5030C	
885-15993-7	TB-W26A	Total/NA	Solid	5030C	
885-15993-8	TB-W28A	Total/NA	Solid	5030C	
885-15993-9	TB-W29A	Total/NA	Solid	5030C	
885-15993-10	TB-W30A	Total/NA	Solid	5030C	
885-15993-11	TB-W32A	Total/NA	Solid	5030C	
885-15993-12	TB-W33A	Total/NA	Solid	5030C	
885-15993-13	TB-W34A	Total/NA	Solid	5030C	
885-15993-14	TB-W35A	Total/NA	Solid	5030C	
885-15993-15	TB-IW3A	Total/NA	Solid	5030C	
885-15993-16	TB-IW4A	Total/NA	Solid	5030C	
885-15993-17	TB-IW6A	Total/NA	Solid	5030C	
885-15993-18	TB-IW8A	Total/NA	Solid	5030C	
885-15993-19	TB-IW9A	Total/NA	Solid	5030C	
885-15993-20	TB-IW10A	Total/NA	Solid	5030C	
MB 885-16748/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-16748/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-16748/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-15993-1 MS	TB-W18A	Total/NA	Solid	5030C	
885-15993-1 MSD	TB-W18A	Total/NA	Solid	5030C	
885-15993-2 MS	TB-W19A	Total/NA	Solid	5030C	
885-15993-2 MSD	TB-W19A	Total/NA	Solid	5030C	

Prep Batch: 16756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	5030C	
885-15993-22	TB-IW14A	Total/NA	Solid	5030C	
885-15993-23	TB-IW15A	Total/NA	Solid	5030C	
885-15993-24	TB-IW17A	Total/NA	Solid	5030C	
885-15993-25	TB-IW18	Total/NA	Solid	5030C	
MB 885-16756/1-A	Method Blank	Total/NA	Solid	5030C	
LCS 885-16756/2-A	Lab Control Sample	Total/NA	Solid	5030C	
LCS 885-16756/3-A	Lab Control Sample	Total/NA	Solid	5030C	
885-15993-22 MS	TB-IW14A	Total/NA	Solid	5030C	
885-15993-22 MSD	TB-IW14A	Total/NA	Solid	5030C	
885-15993-23 MS	TB-IW15A	Total/NA	Solid	5030C	
885-15993-23 MSD	TB-IW15A	Total/NA	Solid	5030C	

Analysis Batch: 16796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	8015M/D	16748
885-15993-2	TB-W19A	Total/NA	Solid	8015M/D	16748
885-15993-3	TB-W20A	Total/NA	Solid	8015M/D	16748
885-15993-4	TB-W21A	Total/NA	Solid	8015M/D	16748
885-15993-5	TB-W22A	Total/NA	Solid	8015M/D	16748
885-15993-6	TB-W24A	Total/NA	Solid	8015M/D	16748

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15993-1

GC VOA (Continued)

Analysis Batch: 16796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-7	TB-W26A	Total/NA	Solid	8015M/D	16748
885-15993-8	TB-W28A	Total/NA	Solid	8015M/D	16748
885-15993-9	TB-W29A	Total/NA	Solid	8015M/D	16748
885-15993-10	TB-W30A	Total/NA	Solid	8015M/D	16748
885-15993-11	TB-W32A	Total/NA	Solid	8015M/D	16748
885-15993-12	TB-W33A	Total/NA	Solid	8015M/D	16748
885-15993-13	TB-W34A	Total/NA	Solid	8015M/D	16748
885-15993-14	TB-W35A	Total/NA	Solid	8015M/D	16748
885-15993-15	TB-IW3A	Total/NA	Solid	8015M/D	16748
885-15993-16	TB-IW4A	Total/NA	Solid	8015M/D	16748
885-15993-17	TB-IW6A	Total/NA	Solid	8015M/D	16748
885-15993-18	TB-IW8A	Total/NA	Solid	8015M/D	16748
885-15993-19	TB-IW9A	Total/NA	Solid	8015M/D	16748
885-15993-20	TB-IW10A	Total/NA	Solid	8015M/D	16748
MB 885-16748/1-A	Method Blank	Total/NA	Solid	8015M/D	16748
LCS 885-16748/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16748
885-15993-1 MS	TB-W18A	Total/NA	Solid	8015M/D	16748
885-15993-1 MSD	TB-W18A	Total/NA	Solid	8015M/D	16748

Analysis Batch: 16797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	8021B	16748
885-15993-2	TB-W19A	Total/NA	Solid	8021B	16748
885-15993-3	TB-W20A	Total/NA	Solid	8021B	16748
885-15993-4	TB-W21A	Total/NA	Solid	8021B	16748
885-15993-5	TB-W22A	Total/NA	Solid	8021B	16748
885-15993-6	TB-W24A	Total/NA	Solid	8021B	16748
885-15993-7	TB-W26A	Total/NA	Solid	8021B	16748
885-15993-8	TB-W28A	Total/NA	Solid	8021B	16748
885-15993-9	TB-W29A	Total/NA	Solid	8021B	16748
885-15993-10	TB-W30A	Total/NA	Solid	8021B	16748
885-15993-11	TB-W32A	Total/NA	Solid	8021B	16748
885-15993-12	TB-W33A	Total/NA	Solid	8021B	16748
885-15993-13	TB-W34A	Total/NA	Solid	8021B	16748
885-15993-14	TB-W35A	Total/NA	Solid	8021B	16748
885-15993-15	TB-IW3A	Total/NA	Solid	8021B	16748
885-15993-16	TB-IW4A	Total/NA	Solid	8021B	16748
885-15993-17	TB-IW6A	Total/NA	Solid	8021B	16748
885-15993-18	TB-IW8A	Total/NA	Solid	8021B	16748
885-15993-19	TB-IW9A	Total/NA	Solid	8021B	16748
885-15993-20	TB-IW10A	Total/NA	Solid	8021B	16748
MB 885-16748/1-A	Method Blank	Total/NA	Solid	8021B	16748
LCS 885-16748/3-A	Lab Control Sample	Total/NA	Solid	8021B	16748
885-15993-2 MS	TB-W19A	Total/NA	Solid	8021B	16748
885-15993-2 MSD	TB-W19A	Total/NA	Solid	8021B	16748

Analysis Batch: 16860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	8021B	16756
885-15993-22	TB-IW14A	Total/NA	Solid	8021B	16756
885-15993-23	TB-IW15A	Total/NA	Solid	8021B	16756

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15993-1

GC VOA (Continued)

Analysis Batch: 16860 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-24	TB-IW17A	Total/NA	Solid	8021B	16756
885-15993-25	TB-IW18	Total/NA	Solid	8021B	16756
MB 885-16756/1-A	Method Blank	Total/NA	Solid	8021B	16756
LCS 885-16756/3-A	Lab Control Sample	Total/NA	Solid	8021B	16756
885-15993-23 MS	TB-IW15A	Total/NA	Solid	8021B	16756
885-15993-23 MSD	TB-IW15A	Total/NA	Solid	8021B	16756

Analysis Batch: 16861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	8015M/D	16756
885-15993-22	TB-IW14A	Total/NA	Solid	8015M/D	16756
885-15993-23	TB-IW15A	Total/NA	Solid	8015M/D	16756
885-15993-24	TB-IW17A	Total/NA	Solid	8015M/D	16756
885-15993-25	TB-IW18	Total/NA	Solid	8015M/D	16756
MB 885-16756/1-A	Method Blank	Total/NA	Solid	8015M/D	16756
LCS 885-16756/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16756
885-15993-22 MS	TB-IW14A	Total/NA	Solid	8015M/D	16756
885-15993-22 MSD	TB-IW14A	Total/NA	Solid	8015M/D	16756

GC Semi VOA

Analysis Batch: 16826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	8015M/D	16837
885-15993-2	TB-W19A	Total/NA	Solid	8015M/D	16837
885-15993-3	TB-W20A	Total/NA	Solid	8015M/D	16837
885-15993-4	TB-W21A	Total/NA	Solid	8015M/D	16837
885-15993-5	TB-W22A	Total/NA	Solid	8015M/D	16837
885-15993-6	TB-W24A	Total/NA	Solid	8015M/D	16837
885-15993-7	TB-W26A	Total/NA	Solid	8015M/D	16837
885-15993-8	TB-W28A	Total/NA	Solid	8015M/D	16837
885-15993-9	TB-W29A	Total/NA	Solid	8015M/D	16837
885-15993-10	TB-W30A	Total/NA	Solid	8015M/D	16837
885-15993-11	TB-W32A	Total/NA	Solid	8015M/D	16837
885-15993-12	TB-W33A	Total/NA	Solid	8015M/D	16837
885-15993-14	TB-W35A	Total/NA	Solid	8015M/D	16837
885-15993-15	TB-IW3A	Total/NA	Solid	8015M/D	16837
885-15993-16	TB-IW4A	Total/NA	Solid	8015M/D	16837
885-15993-17	TB-IW6A	Total/NA	Solid	8015M/D	16837
885-15993-18	TB-IW8A	Total/NA	Solid	8015M/D	16837
885-15993-19	TB-IW9A	Total/NA	Solid	8015M/D	16837
885-15993-20	TB-IW10A	Total/NA	Solid	8015M/D	16837
MB 885-16837/1-A	Method Blank	Total/NA	Solid	8015M/D	16837
LCS 885-16837/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16837
885-15993-14 MS	TB-W35A	Total/NA	Solid	8015M/D	16837
885-15993-14 MSD	TB-W35A	Total/NA	Solid	8015M/D	16837

Prep Batch: 16827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	SHAKE	
885-15993-22	TB-IW14A	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15993-1

GC Semi VOA (Continued)

Prep Batch: 16827 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-23	TB-IW15A	Total/NA	Solid	SHAKE	
885-15993-24	TB-IW17A	Total/NA	Solid	SHAKE	
885-15993-25	TB-IW18	Total/NA	Solid	SHAKE	
MB 885-16827/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16827/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 16831

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	8015M/D	16827
885-15993-22	TB-IW14A	Total/NA	Solid	8015M/D	16827
885-15993-23	TB-IW15A	Total/NA	Solid	8015M/D	16827
885-15993-24	TB-IW17A	Total/NA	Solid	8015M/D	16827
885-15993-25	TB-IW18	Total/NA	Solid	8015M/D	16827
MB 885-16827/1-A	Method Blank	Total/NA	Solid	8015M/D	16827
LCS 885-16827/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	16827

Prep Batch: 16837

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	SHAKE	
885-15993-2	TB-W19A	Total/NA	Solid	SHAKE	
885-15993-3	TB-W20A	Total/NA	Solid	SHAKE	
885-15993-4	TB-W21A	Total/NA	Solid	SHAKE	
885-15993-5	TB-W22A	Total/NA	Solid	SHAKE	
885-15993-6	TB-W24A	Total/NA	Solid	SHAKE	
885-15993-7	TB-W26A	Total/NA	Solid	SHAKE	
885-15993-8	TB-W28A	Total/NA	Solid	SHAKE	
885-15993-9	TB-W29A	Total/NA	Solid	SHAKE	
885-15993-10	TB-W30A	Total/NA	Solid	SHAKE	
885-15993-11	TB-W32A	Total/NA	Solid	SHAKE	
885-15993-12	TB-W33A	Total/NA	Solid	SHAKE	
885-15993-13	TB-W34A	Total/NA	Solid	SHAKE	
885-15993-14	TB-W35A	Total/NA	Solid	SHAKE	
885-15993-15	TB-IW3A	Total/NA	Solid	SHAKE	
885-15993-16	TB-IW4A	Total/NA	Solid	SHAKE	
885-15993-17	TB-IW6A	Total/NA	Solid	SHAKE	
885-15993-18	TB-IW8A	Total/NA	Solid	SHAKE	
885-15993-19	TB-IW9A	Total/NA	Solid	SHAKE	
885-15993-20	TB-IW10A	Total/NA	Solid	SHAKE	
MB 885-16837/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-16837/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
885-15993-14 MS	TB-W35A	Total/NA	Solid	SHAKE	
885-15993-14 MSD	TB-W35A	Total/NA	Solid	SHAKE	

Analysis Batch: 16930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-13	TB-W34A	Total/NA	Solid	8015M/D	16837

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

HPLC/IC

Prep Batch: 16763

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	300_Prep	
885-15993-2	TB-W19A	Total/NA	Solid	300_Prep	
885-15993-3	TB-W20A	Total/NA	Solid	300_Prep	
885-15993-4	TB-W21A	Total/NA	Solid	300_Prep	
885-15993-5	TB-W22A	Total/NA	Solid	300_Prep	
885-15993-6	TB-W24A	Total/NA	Solid	300_Prep	
885-15993-7	TB-W26A	Total/NA	Solid	300_Prep	
885-15993-8	TB-W28A	Total/NA	Solid	300_Prep	
885-15993-9	TB-W29A	Total/NA	Solid	300_Prep	
885-15993-10	TB-W30A	Total/NA	Solid	300_Prep	
885-15993-11	TB-W32A	Total/NA	Solid	300_Prep	
885-15993-12	TB-W33A	Total/NA	Solid	300_Prep	
885-15993-13	TB-W34A	Total/NA	Solid	300_Prep	
885-15993-14	TB-W35A	Total/NA	Solid	300_Prep	
885-15993-15	TB-IW3A	Total/NA	Solid	300_Prep	
885-15993-16	TB-IW4A	Total/NA	Solid	300_Prep	
885-15993-17	TB-IW6A	Total/NA	Solid	300_Prep	
885-15993-18	TB-IW8A	Total/NA	Solid	300_Prep	
885-15993-19	TB-IW9A	Total/NA	Solid	300_Prep	
885-15993-20	TB-IW10A	Total/NA	Solid	300_Prep	
MB 885-16763/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16763/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 16771

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-1	TB-W18A	Total/NA	Solid	300.0	16763
885-15993-2	TB-W19A	Total/NA	Solid	300.0	16763
885-15993-3	TB-W20A	Total/NA	Solid	300.0	16763
885-15993-4	TB-W21A	Total/NA	Solid	300.0	16763
885-15993-5	TB-W22A	Total/NA	Solid	300.0	16763
885-15993-6	TB-W24A	Total/NA	Solid	300.0	16763
885-15993-7	TB-W26A	Total/NA	Solid	300.0	16763
885-15993-8	TB-W28A	Total/NA	Solid	300.0	16763
885-15993-9	TB-W29A	Total/NA	Solid	300.0	16763
885-15993-10	TB-W30A	Total/NA	Solid	300.0	16763
885-15993-11	TB-W32A	Total/NA	Solid	300.0	16763
885-15993-12	TB-W33A	Total/NA	Solid	300.0	16763
885-15993-13	TB-W34A	Total/NA	Solid	300.0	16763
885-15993-14	TB-W35A	Total/NA	Solid	300.0	16763
885-15993-15	TB-IW3A	Total/NA	Solid	300.0	16763
885-15993-16	TB-IW4A	Total/NA	Solid	300.0	16763
885-15993-17	TB-IW6A	Total/NA	Solid	300.0	16763
885-15993-18	TB-IW8A	Total/NA	Solid	300.0	16763
885-15993-19	TB-IW9A	Total/NA	Solid	300.0	16763
885-15993-20	TB-IW10A	Total/NA	Solid	300.0	16763
MB 885-16763/1-A	Method Blank	Total/NA	Solid	300.0	16763
LCS 885-16763/2-A	Lab Control Sample	Total/NA	Solid	300.0	16763

Prep Batch: 16775

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	300_Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

HPLC/IC (Continued)

Prep Batch: 16775 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-22	TB-IW14A	Total/NA	Solid	300_Prep	
885-15993-23	TB-IW15A	Total/NA	Solid	300_Prep	
885-15993-24	TB-IW17A	Total/NA	Solid	300_Prep	
885-15993-25	TB-IW18	Total/NA	Solid	300_Prep	
MB 885-16775/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-16775/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Analysis Batch: 16799

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-15993-21	TB-IW12A	Total/NA	Solid	300.0	16775
885-15993-22	TB-IW14A	Total/NA	Solid	300.0	16775
885-15993-23	TB-IW15A	Total/NA	Solid	300.0	16775
885-15993-24	TB-IW17A	Total/NA	Solid	300.0	16775
885-15993-25	TB-IW18	Total/NA	Solid	300.0	16775
MB 885-16775/1-A	Method Blank	Total/NA	Solid	300.0	16775
LCS 885-16775/2-A	Lab Control Sample	Total/NA	Solid	300.0	16775

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W18A

Lab Sample ID: 885-15993-1

Date Collected: 11/25/24 09:18

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 10:34
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 10:34
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 14:16
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 14:55

Client Sample ID: TB-W19A

Lab Sample ID: 885-15993-2

Date Collected: 11/25/24 09:54

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 11:45
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 11:45
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 14:29
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 15:24

Client Sample ID: TB-W20A

Lab Sample ID: 885-15993-3

Date Collected: 11/25/24 09:56

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 12:55
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 12:55
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 14:41
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 15:34

Client Sample ID: TB-W21A

Lab Sample ID: 885-15993-4

Date Collected: 11/25/24 10:00

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 13:19

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W21A

Lab Sample ID: 885-15993-4

Date Collected: 11/25/24 10:00

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 13:19
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 14:54
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 15:44

Client Sample ID: TB-W22A

Lab Sample ID: 885-15993-5

Date Collected: 11/25/24 10:02

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 13:43
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 13:43
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 15:06
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 15:54

Client Sample ID: TB-W24A

Lab Sample ID: 885-15993-6

Date Collected: 11/25/24 10:04

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 14:07
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 14:07
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 15:18
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 16:04

Client Sample ID: TB-W26A

Lab Sample ID: 885-15993-7

Date Collected: 11/25/24 10:10

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 14:30
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 14:30

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W26A

Lab Sample ID: 885-15993-7

Date Collected: 11/25/24 10:10

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 15:31
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 16:33

Client Sample ID: TB-W28A

Lab Sample ID: 885-15993-8

Date Collected: 11/25/24 10:12

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 14:54
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 14:54
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 15:43
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 16:43

Client Sample ID: TB-W29A

Lab Sample ID: 885-15993-9

Date Collected: 11/25/24 10:20

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 15:18
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 15:18
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 16:08
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 16:53

Client Sample ID: TB-W30A

Lab Sample ID: 885-15993-10

Date Collected: 11/25/24 10:24

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 15:42
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 15:42
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 16:21

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W30A

Lab Sample ID: 885-15993-10

Date Collected: 11/25/24 10:24

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 17:03

Client Sample ID: TB-W32A

Lab Sample ID: 885-15993-11

Date Collected: 11/25/24 10:30

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 16:30
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 16:30
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 16:33
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 17:13

Client Sample ID: TB-W33A

Lab Sample ID: 885-15993-12

Date Collected: 11/25/24 11:10

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 16:53
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 16:53
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 17:19
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 17:42

Client Sample ID: TB-W34A

Lab Sample ID: 885-15993-13

Date Collected: 11/25/24 11:12

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 17:17
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 17:17
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		10	16930	MI	EET ALB	12/03/24 14:06
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 17:52

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-W35A

Lab Sample ID: 885-15993-14

Date Collected: 11/25/24 11:14

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 17:41
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 17:41
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/03/24 11:50
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 18:02

Client Sample ID: TB-IW3A

Lab Sample ID: 885-15993-15

Date Collected: 11/25/24 11:16

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 18:04
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 18:04
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 18:20
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 18:31

Client Sample ID: TB-IW4A

Lab Sample ID: 885-15993-16

Date Collected: 11/25/24 11:18

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 18:28
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 18:28
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 18:32
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 18:41

Client Sample ID: TB-IW6A

Lab Sample ID: 885-15993-17

Date Collected: 11/25/24 11:24

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 18:52

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW6A

Lab Sample ID: 885-15993-17

Date Collected: 11/25/24 11:24

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 18:52
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 18:56
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 18:51

Client Sample ID: TB-IW8A

Lab Sample ID: 885-15993-18

Date Collected: 11/25/24 11:30

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 19:15
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 19:15
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 19:08
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 19:01

Client Sample ID: TB-IW9A

Lab Sample ID: 885-15993-19

Date Collected: 11/25/24 11:32

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 19:39
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 19:39
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 19:20
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 19:11

Client Sample ID: TB-IW10A

Lab Sample ID: 885-15993-20

Date Collected: 11/25/24 11:40

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8015M/D		1	16796	JP	EET ALB	12/02/24 20:02
Total/NA	Prep	5030C			16748	JP	EET ALB	11/27/24 10:23
Total/NA	Analysis	8021B		1	16797	JP	EET ALB	12/02/24 20:02

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW10A

Lab Sample ID: 885-15993-20

Date Collected: 11/25/24 11:40

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	SHAKE			16837	EM	EET ALB	12/02/24 11:55
Total/NA	Analysis	8015M/D		1	16826	MI	EET ALB	12/02/24 19:32
Total/NA	Prep	300_Prep			16763	EH	EET ALB	11/27/24 12:41
Total/NA	Analysis	300.0		20	16771	EH	EET ALB	11/27/24 19:21

Client Sample ID: TB-IW12A

Lab Sample ID: 885-15993-21

Date Collected: 11/25/24 11:42

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/02/24 22:46
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/02/24 22:46
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 13:28
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 10:12

Client Sample ID: TB-IW14A

Lab Sample ID: 885-15993-22

Date Collected: 11/25/24 11:46

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/02/24 23:10
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/02/24 23:10
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 13:38
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 10:43

Client Sample ID: TB-IW15A

Lab Sample ID: 885-15993-23

Date Collected: 11/25/24 11:50

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/03/24 00:20
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/03/24 00:20
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 13:49

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-15993-1

Client Sample ID: TB-IW15A

Lab Sample ID: 885-15993-23

Date Collected: 11/25/24 11:50

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 10:53

Client Sample ID: TB-IW17A

Lab Sample ID: 885-15993-24

Date Collected: 11/25/24 11:54

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/03/24 01:29
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/03/24 01:29
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 13:59
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 11:03

Client Sample ID: TB-IW18

Lab Sample ID: 885-15993-25

Date Collected: 11/25/24 11:58

Matrix: Solid

Date Received: 11/27/24 07:47

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8015M/D		1	16861	JP	EET ALB	12/03/24 01:53
Total/NA	Prep	5030C			16756	JP	EET ALB	11/27/24 11:37
Total/NA	Analysis	8021B		1	16860	JP	EET ALB	12/03/24 01:53
Total/NA	Prep	SHAKE			16827	EM	EET ALB	12/02/24 11:08
Total/NA	Analysis	8015M/D		1	16831	MI	EET ALB	12/02/24 14:10
Total/NA	Prep	300_Prep			16775	EH	EET ALB	11/27/24 14:36
Total/NA	Analysis	300.0		20	16799	JT	EET ALB	12/02/24 11:34

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-15993-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-25

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Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-15993-1

Login Number: 15993

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 12/13/2024 9:43:46 AM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-16600-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
12/13/2024 9:43:46 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-16600-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-16600-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-16600-1

Job ID: 885-16600-1

Eurofins Albuquerque

Job Narrative 885-16600-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/10/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-W29 B

Lab Sample ID: 885-16600-1

Date Collected: 12/09/24 10:30

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.3	mg/Kg		12/10/24 09:50	12/10/24 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		35 - 166			12/10/24 09:50	12/10/24 13:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.027	mg/Kg		12/10/24 09:50	12/10/24 13:29	1
Ethylbenzene	ND		0.053	mg/Kg		12/10/24 09:50	12/10/24 13:29	1
Toluene	ND		0.053	mg/Kg		12/10/24 09:50	12/10/24 13:29	1
Xylenes, Total	ND		0.11	mg/Kg		12/10/24 09:50	12/10/24 13:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		48 - 145			12/10/24 09:50	12/10/24 13:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.9	mg/Kg		12/10/24 15:50	12/11/24 10:40	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/10/24 15:50	12/11/24 10:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	96		62 - 134			12/10/24 15:50	12/11/24 10:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		60	mg/Kg		12/10/24 13:25	12/10/24 21:05	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-IW6B

Lab Sample ID: 885-16600-2

Date Collected: 12/09/24 10:34

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.4	mg/Kg		12/10/24 09:50	12/10/24 13:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			12/10/24 09:50	12/10/24 13:50	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		12/10/24 09:50	12/10/24 13:50	1
Ethylbenzene	ND		0.044	mg/Kg		12/10/24 09:50	12/10/24 13:50	1
Toluene	ND		0.044	mg/Kg		12/10/24 09:50	12/10/24 13:50	1
Xylenes, Total	ND		0.088	mg/Kg		12/10/24 09:50	12/10/24 13:50	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		48 - 145			12/10/24 09:50	12/10/24 13:50	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.6	mg/Kg		12/10/24 15:50	12/11/24 10:52	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/10/24 15:50	12/11/24 10:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/10/24 15:50	12/11/24 10:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1400		60	mg/Kg		12/10/24 13:25	12/10/24 21:54	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-IW8B

Lab Sample ID: 885-16600-3

Date Collected: 12/09/24 10:36

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.4	mg/Kg		12/10/24 09:50	12/10/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			12/10/24 09:50	12/10/24 14:12	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		12/10/24 09:50	12/10/24 14:12	1
Ethylbenzene	ND		0.044	mg/Kg		12/10/24 09:50	12/10/24 14:12	1
Toluene	ND		0.044	mg/Kg		12/10/24 09:50	12/10/24 14:12	1
Xylenes, Total	ND		0.088	mg/Kg		12/10/24 09:50	12/10/24 14:12	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			12/10/24 09:50	12/10/24 14:12	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		12/10/24 15:50	12/11/24 11:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/10/24 15:50	12/11/24 11:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	92		62 - 134			12/10/24 15:50	12/11/24 11:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	310		60	mg/Kg		12/10/24 13:25	12/10/24 22:04	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-IW15B

Lab Sample ID: 885-16600-4

Date Collected: 12/09/24 10:40

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		12/10/24 09:50	12/10/24 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		35 - 166			12/10/24 09:50	12/10/24 14:34	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		12/10/24 09:50	12/10/24 14:34	1
Ethylbenzene	ND		0.041	mg/Kg		12/10/24 09:50	12/10/24 14:34	1
Toluene	ND		0.041	mg/Kg		12/10/24 09:50	12/10/24 14:34	1
Xylenes, Total	ND		0.081	mg/Kg		12/10/24 09:50	12/10/24 14:34	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		48 - 145			12/10/24 09:50	12/10/24 14:34	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	14		9.2	mg/Kg		12/10/24 15:50	12/11/24 11:16	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/10/24 15:50	12/11/24 11:16	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	95		62 - 134			12/10/24 15:50	12/11/24 11:16	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	460		60	mg/Kg		12/10/24 13:25	12/10/24 22:14	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-IW17B

Lab Sample ID: 885-16600-5

Date Collected: 12/09/24 10:42

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.3	mg/Kg		12/10/24 09:50	12/10/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		35 - 166			12/10/24 09:50	12/10/24 14:56	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		12/10/24 09:50	12/10/24 14:56	1
Ethylbenzene	ND		0.043	mg/Kg		12/10/24 09:50	12/10/24 14:56	1
Toluene	ND		0.043	mg/Kg		12/10/24 09:50	12/10/24 14:56	1
Xylenes, Total	ND		0.086	mg/Kg		12/10/24 09:50	12/10/24 14:56	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			12/10/24 09:50	12/10/24 14:56	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		12/10/24 16:15	12/11/24 11:28	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/10/24 16:15	12/11/24 11:28	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	100		62 - 134			12/10/24 16:15	12/11/24 11:28	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	550		61	mg/Kg		12/10/24 13:25	12/10/24 22:43	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-17375/6
Matrix: Solid
Analysis Batch: 17375

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg			12/10/24 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166		12/10/24 11:47	1

Lab Sample ID: LCS 885-17391/2-A
Matrix: Solid
Analysis Batch: 17375

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	188		35 - 166
4-Bromofluorobenzene (Surr)	188		35 - 166

Lab Sample ID: 885-16600-1 MS
Matrix: Solid
Analysis Batch: 17458

Client Sample ID: TB-W29 B
Prep Type: Total/NA
Prep Batch: 17391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		26.5	26.2		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	188		35 - 166

Lab Sample ID: 885-16600-1 MSD
Matrix: Solid
Analysis Batch: 17458

Client Sample ID: TB-W29 B
Prep Type: Total/NA
Prep Batch: 17391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		26.5	26.1		mg/Kg		98	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	186		35 - 166

Lab Sample ID: MB 885-17458/6
Matrix: Solid
Analysis Batch: 17458

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg			12/10/24 11:47	1

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC) (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166		12/10/24 11:47	1

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-17376/6

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 17376

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg			12/10/24 11:47	1
Ethylbenzene	ND		0.050	mg/Kg			12/10/24 11:47	1
Toluene	ND		0.050	mg/Kg			12/10/24 11:47	1
Xylenes, Total	ND		0.10	mg/Kg			12/10/24 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145		12/10/24 11:47	1

Lab Sample ID: LCS 885-17391/3-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 17376

Prep Batch: 17391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.935		mg/Kg		94	70 - 130
Benzene	1.00	0.935		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130
m,p-Xylene	2.00	1.93		mg/Kg		97	70 - 130
m,p-Xylene	2.00	1.93		mg/Kg		97	70 - 130
o-Xylene	1.00	0.961		mg/Kg		96	70 - 130
o-Xylene	1.00	0.961		mg/Kg		96	70 - 130
Toluene	1.00	0.943		mg/Kg		94	70 - 130
Toluene	1.00	0.943		mg/Kg		94	70 - 130
Xylenes, Total	3.00	2.89		mg/Kg		96	70 - 130
Xylenes, Total	3.00	2.89		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		48 - 145
4-Bromofluorobenzene (Surr)	108		48 - 145

Lab Sample ID: 885-16600-2 MS

Client Sample ID: TB-IW6B

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 17459

Prep Batch: 17391

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.884	0.869		mg/Kg		98	70 - 130
Ethylbenzene	ND		0.884	0.875		mg/Kg		99	70 - 130
m,p-Xylene	ND		1.77	1.75		mg/Kg		99	70 - 130
o-Xylene	ND		0.884	0.868		mg/Kg		98	70 - 130
Toluene	ND		0.884	0.870		mg/Kg		98	70 - 130
Xylenes, Total	ND		2.65	2.62		mg/Kg		99	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-16600-2 MS
 Matrix: Solid
 Analysis Batch: 17459

Client Sample ID: TB-IW6B
 Prep Type: Total/NA
 Prep Batch: 17391

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	97		48 - 145

Lab Sample ID: 885-16600-2 MSD
 Matrix: Solid
 Analysis Batch: 17459

Client Sample ID: TB-IW6B
 Prep Type: Total/NA
 Prep Batch: 17391

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.884	0.855		mg/Kg		97	70 - 130	2	20
Ethylbenzene	ND		0.884	0.865		mg/Kg		98	70 - 130	1	20
m,p-Xylene	ND		1.77	1.73		mg/Kg		98	70 - 130	1	20
o-Xylene	ND		0.884	0.873		mg/Kg		99	70 - 130	1	20
Toluene	ND		0.884	0.863		mg/Kg		98	70 - 130	1	20
Xylenes, Total	ND		2.65	2.61		mg/Kg		98	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	95		48 - 145

Lab Sample ID: MB 885-17459/6
 Matrix: Solid
 Analysis Batch: 17459

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg			12/10/24 11:47	1
Ethylbenzene	ND		0.050	mg/Kg			12/10/24 11:47	1
Toluene	ND		0.050	mg/Kg			12/10/24 11:47	1
Xylenes, Total	ND		0.10	mg/Kg			12/10/24 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145		12/10/24 11:47	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-17419/1-A
 Matrix: Solid
 Analysis Batch: 17383

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 17419

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		12/10/24 13:25	12/10/24 20:45	1

Lab Sample ID: LCS 885-17419/2-A
 Matrix: Solid
 Analysis Batch: 17383

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 17419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.2		mg/Kg		97	90 - 110

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

GC VOA

Analysis Batch: 17375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	8015M/D	17391
885-16600-2	TB-IW6B	Total/NA	Solid	8015M/D	17391
885-16600-3	TB-IW8B	Total/NA	Solid	8015M/D	17391
885-16600-4	TB-IW15B	Total/NA	Solid	8015M/D	17391
885-16600-5	TB-IW17B	Total/NA	Solid	8015M/D	17391
MB 885-17375/6	Method Blank	Total/NA	Solid	8015M/D	
LCS 885-17391/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	17391

Analysis Batch: 17376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	8021B	17391
885-16600-2	TB-IW6B	Total/NA	Solid	8021B	17391
885-16600-3	TB-IW8B	Total/NA	Solid	8021B	17391
885-16600-4	TB-IW15B	Total/NA	Solid	8021B	17391
885-16600-5	TB-IW17B	Total/NA	Solid	8021B	17391
MB 885-17376/6	Method Blank	Total/NA	Solid	8021B	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	8021B	17391

Prep Batch: 17391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	5035	
885-16600-2	TB-IW6B	Total/NA	Solid	5035	
885-16600-3	TB-IW8B	Total/NA	Solid	5035	
885-16600-4	TB-IW15B	Total/NA	Solid	5035	
885-16600-5	TB-IW17B	Total/NA	Solid	5035	
LCS 885-17391/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-16600-1 MS	TB-W29 B	Total/NA	Solid	5035	
885-16600-1 MSD	TB-W29 B	Total/NA	Solid	5035	
885-16600-2 MS	TB-IW6B	Total/NA	Solid	5035	
885-16600-2 MSD	TB-IW6B	Total/NA	Solid	5035	

Analysis Batch: 17458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-17458/6	Method Blank	Total/NA	Solid	8015M/D	
LCS 885-17391/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	17391
885-16600-1 MS	TB-W29 B	Total/NA	Solid	8015M/D	17391
885-16600-1 MSD	TB-W29 B	Total/NA	Solid	8015M/D	17391

Analysis Batch: 17459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-17459/6	Method Blank	Total/NA	Solid	8021B	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	8021B	17391
885-16600-2 MS	TB-IW6B	Total/NA	Solid	8021B	17391
885-16600-2 MSD	TB-IW6B	Total/NA	Solid	8021B	17391

GC Semi VOA

Prep Batch: 17439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	SHAKE	

Eurofins Albuquerque

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

GC Semi VOA (Continued)

Prep Batch: 17439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-2	TB-IW6B	Total/NA	Solid	SHAKE	
885-16600-3	TB-IW8B	Total/NA	Solid	SHAKE	
885-16600-4	TB-IW15B	Total/NA	Solid	SHAKE	
885-16600-5	TB-IW17B	Total/NA	Solid	SHAKE	

Analysis Batch: 17477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	8015M/D	17439
885-16600-2	TB-IW6B	Total/NA	Solid	8015M/D	17439
885-16600-3	TB-IW8B	Total/NA	Solid	8015M/D	17439
885-16600-4	TB-IW15B	Total/NA	Solid	8015M/D	17439
885-16600-5	TB-IW17B	Total/NA	Solid	8015M/D	17439

HPLC/IC

Analysis Batch: 17383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	300.0	17419
885-16600-2	TB-IW6B	Total/NA	Solid	300.0	17419
885-16600-3	TB-IW8B	Total/NA	Solid	300.0	17419
885-16600-4	TB-IW15B	Total/NA	Solid	300.0	17419
885-16600-5	TB-IW17B	Total/NA	Solid	300.0	17419
MB 885-17419/1-A	Method Blank	Total/NA	Solid	300.0	17419
LCS 885-17419/2-A	Lab Control Sample	Total/NA	Solid	300.0	17419

Prep Batch: 17419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16600-1	TB-W29 B	Total/NA	Solid	300_Prep	
885-16600-2	TB-IW6B	Total/NA	Solid	300_Prep	
885-16600-3	TB-IW8B	Total/NA	Solid	300_Prep	
885-16600-4	TB-IW15B	Total/NA	Solid	300_Prep	
885-16600-5	TB-IW17B	Total/NA	Solid	300_Prep	
MB 885-17419/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-17419/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-W29 B

Lab Sample ID: 885-16600-1

Date Collected: 12/09/24 10:30

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 13:29
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 13:29
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 15:50
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 10:40
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 21:05

Client Sample ID: TB-IW6B

Lab Sample ID: 885-16600-2

Date Collected: 12/09/24 10:34

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 13:50
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 13:50
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 15:50
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 10:52
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 21:54

Client Sample ID: TB-IW8B

Lab Sample ID: 885-16600-3

Date Collected: 12/09/24 10:36

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 14:12
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 14:12
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 15:50
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 11:04
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 22:04

Client Sample ID: TB-IW15B

Lab Sample ID: 885-16600-4

Date Collected: 12/09/24 10:40

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 14:34

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16600-1

Client Sample ID: TB-IW15B

Lab Sample ID: 885-16600-4

Date Collected: 12/09/24 10:40

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 14:34
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 15:50
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 11:16
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 22:14

Client Sample ID: TB-IW17B

Lab Sample ID: 885-16600-5

Date Collected: 12/09/24 10:42

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 14:56
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 14:56
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 16:15
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 11:28
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 22:43

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-16600-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

1 of 1

Chain-of-Custody Record

Client: EOG / Range - ENV

Mailing Address: ON F / LF

Phone #: _____

email or Fax#: _____

QA/QC Package: Standard Level 4 (Full Validation)

Accreditation: Az Compliance Other

NELAC EDD (Type) _____

Turn-Around Time: Standard Rush 24 hr

Project Name: Ray SWD #3

Project #: 5375

Project Manager: W. Kierdorf

Sampler: J. Martinez

On Ice: Yes No mpj

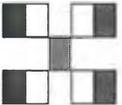
of Coolers: 1

Cooler Temp (including CP): 5.9 ± 0.5.9 (°C)

Container Type and #	Preservative Type	HEAL No.
<u>1x 4oz Jar ICE</u>		
<u>I</u>	<u>I</u>	
<u>I</u>	<u>I</u>	
<u>I</u>	<u>I</u>	

Received by: [Signature] Date: 12/19/24 Time: 1333

Received by: [Signature] Date: 12/19/24 Time: 9:00



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

885-16600 COC

Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
<u>X</u>	<u>X</u>					<u>X</u>			
<u>I</u>	<u>I</u>					<u>I</u>			
<u>I</u>	<u>I</u>					<u>I</u>			

Remarks: Bill To EOG MIDLAND
C. Settle

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-16600-1

Login Number: 16600

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 12/12/2024 5:53:37 PM

JOB DESCRIPTION

Roy SWD #3

JOB NUMBER

885-16613-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



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Authorized for release by
Andy Freeman, Business Unit Manager
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(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Laboratory Job ID: 885-16613-1



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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-16613-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD #3

Job ID: 885-16613-1

Job ID: 885-16613-1

Eurofins Albuquerque

Job Narrative 885-16613-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/10/2024 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.9°C.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Client Sample ID: TB-W19B

Lab Sample ID: 885-16613-1

Date Collected: 12/09/24 09:40

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.9	mg/Kg		12/10/24 09:50	12/10/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		35 - 166			12/10/24 09:50	12/10/24 15:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/10/24 09:50	12/10/24 15:17	1
Ethylbenzene	ND		0.049	mg/Kg		12/10/24 09:50	12/10/24 15:17	1
Toluene	ND		0.049	mg/Kg		12/10/24 09:50	12/10/24 15:17	1
Xylenes, Total	ND		0.099	mg/Kg		12/10/24 09:50	12/10/24 15:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		48 - 145			12/10/24 09:50	12/10/24 15:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	13		9.7	mg/Kg		12/10/24 16:15	12/11/24 09:40	1
Motor Oil Range Organics [C28-C40]	60		49	mg/Kg		12/10/24 16:15	12/11/24 09:40	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	101		62 - 134			12/10/24 16:15	12/11/24 09:40	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		60	mg/Kg		12/10/24 13:25	12/10/24 22:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Client Sample ID: TB-W28B

Lab Sample ID: 885-16613-2

Date Collected: 12/09/24 09:46

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		3.8	mg/Kg		12/10/24 09:50	12/10/24 15:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		35 - 166			12/10/24 09:50	12/10/24 15:39	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.019	mg/Kg		12/10/24 09:50	12/10/24 15:39	1
Ethylbenzene	ND		0.038	mg/Kg		12/10/24 09:50	12/10/24 15:39	1
Toluene	ND		0.038	mg/Kg		12/10/24 09:50	12/10/24 15:39	1
Xylenes, Total	ND		0.076	mg/Kg		12/10/24 09:50	12/10/24 15:39	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		48 - 145			12/10/24 09:50	12/10/24 15:39	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	12		10	mg/Kg		12/10/24 16:15	12/11/24 09:52	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/10/24 16:15	12/11/24 09:52	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134			12/10/24 16:15	12/11/24 09:52	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	500		60	mg/Kg		12/10/24 13:25	12/10/24 23:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Client Sample ID: TB-W34B

Lab Sample ID: 885-16613-3

Date Collected: 12/09/24 09:48

Matrix: Solid

Date Received: 12/10/24 08:00

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.5	mg/Kg		12/10/24 09:50	12/10/24 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		35 - 166			12/10/24 09:50	12/10/24 16:01	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		12/10/24 09:50	12/10/24 16:01	1
Ethylbenzene	ND		0.045	mg/Kg		12/10/24 09:50	12/10/24 16:01	1
Toluene	ND		0.045	mg/Kg		12/10/24 09:50	12/10/24 16:01	1
Xylenes, Total	ND		0.090	mg/Kg		12/10/24 09:50	12/10/24 16:01	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		48 - 145			12/10/24 09:50	12/10/24 16:01	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		12/10/24 16:15	12/11/24 10:04	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/10/24 16:15	12/11/24 10:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			12/10/24 16:15	12/11/24 10:04	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		60	mg/Kg		12/10/24 13:25	12/10/24 23:33	20

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-17375/6
 Matrix: Solid
 Analysis Batch: 17375

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg			12/10/24 11:47	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		35 - 166				12/10/24 11:47	1

Lab Sample ID: LCS 885-17391/2-A
 Matrix: Solid
 Analysis Batch: 17375

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 17391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	188		35 - 166				

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-17376/6
 Matrix: Solid
 Analysis Batch: 17376

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg			12/10/24 11:47	1
Ethylbenzene	ND		0.050	mg/Kg			12/10/24 11:47	1
Toluene	ND		0.050	mg/Kg			12/10/24 11:47	1
Xylenes, Total	ND		0.10	mg/Kg			12/10/24 11:47	1
Surrogate	MB %Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145				12/10/24 11:47	1

Lab Sample ID: LCS 885-17391/3-A
 Matrix: Solid
 Analysis Batch: 17376

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 17391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.935		mg/Kg		94	70 - 130
Benzene	1.00	0.935		mg/Kg		94	70 - 130
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130
Ethylbenzene	1.00	0.959		mg/Kg		96	70 - 130
m,p-Xylene	2.00	1.93		mg/Kg		97	70 - 130
m,p-Xylene	2.00	1.93		mg/Kg		97	70 - 130
o-Xylene	1.00	0.961		mg/Kg		96	70 - 130
o-Xylene	1.00	0.961		mg/Kg		96	70 - 130
Toluene	1.00	0.943		mg/Kg		94	70 - 130
Toluene	1.00	0.943		mg/Kg		94	70 - 130
Xylenes, Total	3.00	2.89		mg/Kg		96	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: LCS 885-17391/3-A
 Matrix: Solid
 Analysis Batch: 17459

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 17391

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	3.00	2.89		mg/Kg		96	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		48 - 145
4-Bromofluorobenzene (Surr)	108		48 - 145

Lab Sample ID: MB 885-17459/6
 Matrix: Solid
 Analysis Batch: 17459

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg			12/10/24 11:47	1
Ethylbenzene	ND		0.050	mg/Kg			12/10/24 11:47	1
Toluene	ND		0.050	mg/Kg			12/10/24 11:47	1
Xylenes, Total	ND		0.10	mg/Kg			12/10/24 11:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145		12/10/24 11:47	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-17419/1-A
 Matrix: Solid
 Analysis Batch: 17383

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 17419

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		12/10/24 13:25	12/10/24 20:45	1

Lab Sample ID: LCS 885-17419/2-A
 Matrix: Solid
 Analysis Batch: 17383

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 17419

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	29.2		mg/Kg		97	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

GC VOA

Analysis Batch: 17375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	8015M/D	17391
885-16613-2	TB-W28B	Total/NA	Solid	8015M/D	17391
885-16613-3	TB-W34B	Total/NA	Solid	8015M/D	17391
MB 885-17375/6	Method Blank	Total/NA	Solid	8015M/D	
LCS 885-17391/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	17391

Analysis Batch: 17376

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	8021B	17391
885-16613-2	TB-W28B	Total/NA	Solid	8021B	17391
885-16613-3	TB-W34B	Total/NA	Solid	8021B	17391
MB 885-17376/6	Method Blank	Total/NA	Solid	8021B	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	8021B	17391

Prep Batch: 17391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	5035	
885-16613-2	TB-W28B	Total/NA	Solid	5035	
885-16613-3	TB-W34B	Total/NA	Solid	5035	
LCS 885-17391/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	5035	

Analysis Batch: 17459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 885-17459/6	Method Blank	Total/NA	Solid	8021B	
LCS 885-17391/3-A	Lab Control Sample	Total/NA	Solid	8021B	17391

GC Semi VOA

Prep Batch: 17439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	SHAKE	
885-16613-2	TB-W28B	Total/NA	Solid	SHAKE	
885-16613-3	TB-W34B	Total/NA	Solid	SHAKE	

Analysis Batch: 17477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	8015M/D	17439
885-16613-2	TB-W28B	Total/NA	Solid	8015M/D	17439
885-16613-3	TB-W34B	Total/NA	Solid	8015M/D	17439

HPLC/IC

Analysis Batch: 17383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	300.0	17419
885-16613-2	TB-W28B	Total/NA	Solid	300.0	17419
885-16613-3	TB-W34B	Total/NA	Solid	300.0	17419
MB 885-17419/1-A	Method Blank	Total/NA	Solid	300.0	17419
LCS 885-17419/2-A	Lab Control Sample	Total/NA	Solid	300.0	17419

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-16613-1

HPLC/IC

Prep Batch: 17419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-16613-1	TB-W19B	Total/NA	Solid	300_Prep	
885-16613-2	TB-W28B	Total/NA	Solid	300_Prep	
885-16613-3	TB-W34B	Total/NA	Solid	300_Prep	
MB 885-17419/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-17419/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

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Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD #3

Job ID: 885-16613-1

Client Sample ID: TB-W19B

Lab Sample ID: 885-16613-1

Date Collected: 12/09/24 09:40

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 15:17
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 15:17
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 16:15
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 09:40
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 22:53

Client Sample ID: TB-W28B

Lab Sample ID: 885-16613-2

Date Collected: 12/09/24 09:46

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 15:39
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 15:39
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 16:15
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 09:52
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 23:03

Client Sample ID: TB-W34B

Lab Sample ID: 885-16613-3

Date Collected: 12/09/24 09:48

Matrix: Solid

Date Received: 12/10/24 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8015M/D		1	17375	AT	EET ALB	12/10/24 16:01
Total/NA	Prep	5035			17391	JP	EET ALB	12/10/24 09:50
Total/NA	Analysis	8021B		1	17376	AT	EET ALB	12/10/24 16:01
Total/NA	Prep	SHAKE			17439	MI	EET ALB	12/10/24 16:15
Total/NA	Analysis	8015M/D		1	17477	MI	EET ALB	12/11/24 10:04
Total/NA	Prep	300_Prep			17419	JT	EET ALB	12/10/24 13:25
Total/NA	Analysis	300.0		20	17383	RC	EET ALB	12/10/24 23:33

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD #3

Job ID: 885-16613-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

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Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-16613-1

Login Number: 16613

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	True	





Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Will Kierdorf
Ranger Environmental Services, Inc
7215 McNeil Drive
PO BOX 201179
Austin, Texas 78729

Generated 1/2/2025 11:13:41 AM

JOB DESCRIPTION

Roy SWD#3

JOB NUMBER

885-17493-1

Eurofins Albuquerque
4901 Hawkins NE
Albuquerque NM 87109

See page two for job notes and contact information.



Eurofins Albuquerque

Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

Authorization



Generated
1/2/2025 11:13:41 AM

Authorized for release by
Andy Freeman, Business Unit Manager
andy.freeman@et.eurofinsus.com
(505)345-3975

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Laboratory Job ID: 885-17493-1

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-17493-1

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ranger Environmental Services, Inc
Project: Roy SWD#3

Job ID: 885-17493-1

Job ID: 885-17493-1

Eurofins Albuquerque

Job Narrative 885-17493-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 12/21/2024 10:24 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice.

Gasoline Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC VOA

Method 8021B: Surrogate above acceptable range; no matrix interference suspected. Possible delivery of twice the amount of mix from surrogate well during injection.

(885-17493-A-2-B MS)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-B23B

Lab Sample ID: 885-17493-1

Date Collected: 12/19/24 09:50

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.0	mg/Kg		12/23/24 09:00	12/23/24 11:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		35 - 166			12/23/24 09:00	12/23/24 11:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		12/23/24 09:00	12/23/24 11:17	1
Ethylbenzene	ND		0.040	mg/Kg		12/23/24 09:00	12/23/24 11:17	1
Toluene	ND		0.040	mg/Kg		12/23/24 09:00	12/23/24 11:17	1
Xylenes, Total	ND		0.081	mg/Kg		12/23/24 09:00	12/23/24 11:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			12/23/24 09:00	12/23/24 11:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.7	mg/Kg		12/24/24 11:16	12/27/24 13:15	1
Motor Oil Range Organics [C28-C40]	ND		48	mg/Kg		12/24/24 11:16	12/27/24 13:15	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	86		62 - 134			12/24/24 11:16	12/27/24 13:15	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		12/23/24 13:59	12/23/24 19:35	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-IW6C

Lab Sample ID: 885-17493-2

Date Collected: 12/19/24 09:54

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		12/23/24 09:00	12/23/24 11:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			12/23/24 09:00	12/23/24 11:41	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.020	mg/Kg		12/23/24 09:00	12/23/24 11:41	1
Ethylbenzene	ND		0.041	mg/Kg		12/23/24 09:00	12/23/24 11:41	1
Toluene	ND		0.041	mg/Kg		12/23/24 09:00	12/23/24 11:41	1
Xylenes, Total	ND		0.081	mg/Kg		12/23/24 09:00	12/23/24 11:41	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		48 - 145			12/23/24 09:00	12/23/24 11:41	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.8	mg/Kg		12/24/24 11:16	12/27/24 13:26	1
Motor Oil Range Organics [C28-C40]	ND		49	mg/Kg		12/24/24 11:16	12/27/24 13:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	93		62 - 134			12/24/24 11:16	12/27/24 13:26	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		12/23/24 13:59	12/23/24 19:44	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-W37

Lab Sample ID: 885-17493-3

Date Collected: 12/19/24 09:56

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.4	mg/Kg		12/23/24 09:00	12/23/24 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		35 - 166			12/23/24 09:00	12/23/24 12:05	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.027	mg/Kg		12/23/24 09:00	12/23/24 12:05	1
Ethylbenzene	ND		0.054	mg/Kg		12/23/24 09:00	12/23/24 12:05	1
Toluene	ND		0.054	mg/Kg		12/23/24 09:00	12/23/24 12:05	1
Xylenes, Total	ND		0.11	mg/Kg		12/23/24 09:00	12/23/24 12:05	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		48 - 145			12/23/24 09:00	12/23/24 12:05	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		12/26/24 13:30	12/27/24 13:36	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/26/24 13:30	12/27/24 13:36	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	103		62 - 134			12/26/24 13:30	12/27/24 13:36	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	110		60	mg/Kg		12/23/24 13:59	12/23/24 20:53	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-W38

Lab Sample ID: 885-17493-4

Date Collected: 12/19/24 10:00

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.7	mg/Kg		12/23/24 09:00	12/23/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		35 - 166			12/23/24 09:00	12/23/24 12:29	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.024	mg/Kg		12/23/24 09:00	12/23/24 12:29	1
Ethylbenzene	ND		0.047	mg/Kg		12/23/24 09:00	12/23/24 12:29	1
Toluene	ND		0.047	mg/Kg		12/23/24 09:00	12/23/24 12:29	1
Xylenes, Total	ND		0.094	mg/Kg		12/23/24 09:00	12/23/24 12:29	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			12/23/24 09:00	12/23/24 12:29	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.5	mg/Kg		12/26/24 13:30	12/27/24 13:47	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/26/24 13:30	12/27/24 13:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	111		62 - 134			12/26/24 13:30	12/27/24 13:47	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		12/23/24 13:59	12/23/24 21:03	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-W39

Lab Sample ID: 885-17493-5

Date Collected: 12/19/24 10:02

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.1	mg/Kg		12/23/24 09:00	12/23/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		35 - 166			12/23/24 09:00	12/23/24 12:53	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.021	mg/Kg		12/23/24 09:00	12/23/24 12:53	1
Ethylbenzene	ND		0.041	mg/Kg		12/23/24 09:00	12/23/24 12:53	1
Toluene	ND		0.041	mg/Kg		12/23/24 09:00	12/23/24 12:53	1
Xylenes, Total	ND		0.083	mg/Kg		12/23/24 09:00	12/23/24 12:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			12/23/24 09:00	12/23/24 12:53	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.2	mg/Kg		12/26/24 13:30	12/27/24 13:58	1
Motor Oil Range Organics [C28-C40]	ND		46	mg/Kg		12/26/24 13:30	12/27/24 13:58	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	114		62 - 134			12/26/24 13:30	12/27/24 13:58	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		12/23/24 13:59	12/23/24 21:13	20

Client Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-W40

Lab Sample ID: 885-17493-6

Date Collected: 12/19/24 10:04

Matrix: Solid

Date Received: 12/21/24 10:24

Method: SW846 8015M/D - Gasoline Range Organics (GRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		4.4	mg/Kg		12/23/24 09:00	12/23/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		35 - 166			12/23/24 09:00	12/23/24 13:17	1

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.022	mg/Kg		12/23/24 09:00	12/23/24 13:17	1
Ethylbenzene	ND		0.044	mg/Kg		12/23/24 09:00	12/23/24 13:17	1
Toluene	ND		0.044	mg/Kg		12/23/24 09:00	12/23/24 13:17	1
Xylenes, Total	ND		0.088	mg/Kg		12/23/24 09:00	12/23/24 13:17	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		48 - 145			12/23/24 09:00	12/23/24 13:17	1

Method: SW846 8015M/D - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		9.4	mg/Kg		12/26/24 13:30	12/27/24 14:09	1
Motor Oil Range Organics [C28-C40]	ND		47	mg/Kg		12/26/24 13:30	12/27/24 14:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	94		62 - 134			12/26/24 13:30	12/27/24 14:09	1

Method: EPA 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		60	mg/Kg		12/23/24 13:59	12/23/24 21:23	20

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-17493-1

Method: 8015M/D - Gasoline Range Organics (GRO) (GC)

Lab Sample ID: MB 885-18331/1-A
Matrix: Solid
Analysis Batch: 18326

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18331

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	ND		5.0	mg/Kg		12/23/24 09:00	12/23/24 10:53	1
Surrogate	%Recovery	MB Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		35 - 166			12/23/24 09:00	12/23/24 10:53	1

Lab Sample ID: LCS 885-18331/2-A
Matrix: Solid
Analysis Batch: 18326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	25.0	21.7		mg/Kg		87	70 - 130
Surrogate	%Recovery	LCS Qualifier	Limits				
4-Bromofluorobenzene (Surr)	205		35 - 166				

Lab Sample ID: 885-17493-1 MS
Matrix: Solid
Analysis Batch: 18326

Client Sample ID: TB-B23B
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	ND		20.2	19.8		mg/Kg		98	70 - 130
Surrogate	%Recovery	MS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	219		35 - 166						

Lab Sample ID: 885-17493-1 MSD
Matrix: Solid
Analysis Batch: 18326

Client Sample ID: TB-B23B
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	ND		20.2	19.9		mg/Kg		98	70 - 130	0	20
Surrogate	%Recovery	MSD Qualifier	Limits								
4-Bromofluorobenzene (Surr)	222		35 - 166								

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-18331/1-A
Matrix: Solid
Analysis Batch: 18327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18331

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.025	mg/Kg		12/23/24 09:00	12/23/24 10:53	1
Ethylbenzene	ND		0.050	mg/Kg		12/23/24 09:00	12/23/24 10:53	1
Toluene	ND		0.050	mg/Kg		12/23/24 09:00	12/23/24 10:53	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: MB 885-18331/1-A
Matrix: Solid
Analysis Batch: 18327

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 18331

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		0.10	mg/Kg		12/23/24 09:00	12/23/24 10:53	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		48 - 145	12/23/24 09:00	12/23/24 10:53	1

Lab Sample ID: LCS 885-18331/3-A
Matrix: Solid
Analysis Batch: 18327

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	1.00	0.992		mg/Kg		99	70 - 130
Ethylbenzene	1.00	1.08		mg/Kg		108	70 - 130
m,p-Xylene	2.00	2.12		mg/Kg		106	70 - 130
o-Xylene	1.00	1.04		mg/Kg		104	70 - 130
Toluene	1.00	1.07		mg/Kg		107	70 - 130
Xylenes, Total	3.00	3.16		mg/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		48 - 145

Lab Sample ID: 885-17493-2 MS
Matrix: Solid
Analysis Batch: 18327

Client Sample ID: TB-IW6C
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	ND		0.812	0.800		mg/Kg		98	70 - 130
Ethylbenzene	ND		0.812	0.864		mg/Kg		106	70 - 130
m,p-Xylene	ND		1.62	1.71		mg/Kg		106	70 - 130
o-Xylene	ND		0.812	0.844		mg/Kg		104	70 - 130
Toluene	ND		0.812	0.838		mg/Kg		103	70 - 130
Xylenes, Total	ND		2.44	2.56		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	177	S1+	48 - 145

Lab Sample ID: 885-17493-2 MSD
Matrix: Solid
Analysis Batch: 18327

Client Sample ID: TB-IW6C
Prep Type: Total/NA
Prep Batch: 18331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	ND		0.812	0.785		mg/Kg		97	70 - 130	2	20
Ethylbenzene	ND		0.812	0.867		mg/Kg		107	70 - 130	0	20
m,p-Xylene	ND		1.62	1.72		mg/Kg		106	70 - 130	0	20
o-Xylene	ND		0.812	0.841		mg/Kg		104	70 - 130	0	20
Toluene	ND		0.812	0.825		mg/Kg		102	70 - 130	2	20
Xylenes, Total	ND		2.44	2.56		mg/Kg		105	70 - 130	0	20

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-17493-2 MSD
 Matrix: Solid
 Analysis Batch: 18327

Client Sample ID: TB-IW6C
 Prep Type: Total/NA
 Prep Batch: 18331

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		48 - 145

Method: 8015M/D - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 885-18426/1-A
 Matrix: Solid
 Analysis Batch: 18502

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 18426

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/24/24 11:16	12/27/24 20:04	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/24/24 11:16	12/27/24 20:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	91		62 - 134	12/24/24 11:16	12/27/24 20:04	1

Lab Sample ID: LCS 885-18426/2-A
 Matrix: Solid
 Analysis Batch: 18502

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 18426

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.0		mg/Kg		90	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	94		62 - 134

Lab Sample ID: MB 885-18473/1-A
 Matrix: Solid
 Analysis Batch: 18502

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 18473

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		10	mg/Kg		12/26/24 13:30	12/27/24 16:45	1
Motor Oil Range Organics [C28-C40]	ND		50	mg/Kg		12/26/24 13:30	12/27/24 16:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate (Surr)	102		62 - 134	12/26/24 13:30	12/27/24 16:45	1

Lab Sample ID: LCS 885-18473/2-A
 Matrix: Solid
 Analysis Batch: 18502

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 18473

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics [C10-C28]	50.0	45.5		mg/Kg		91	60 - 135

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Di-n-octyl phthalate (Surr)	90		62 - 134

Eurofins Albuquerque

QC Sample Results

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-18349/1-A
 Matrix: Solid
 Analysis Batch: 18348

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 18349

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		3.0	mg/Kg		12/23/24 13:59	12/23/24 19:15	1

Lab Sample ID: LCS 885-18349/2-A
 Matrix: Solid
 Analysis Batch: 18348

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 18349

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	30.0	28.2		mg/Kg		94	90 - 110

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-17493-1

GC VOA

Analysis Batch: 18326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	8015M/D	18331
885-17493-2	TB-IW6C	Total/NA	Solid	8015M/D	18331
885-17493-3	TB-W37	Total/NA	Solid	8015M/D	18331
885-17493-4	TB-W38	Total/NA	Solid	8015M/D	18331
885-17493-5	TB-W39	Total/NA	Solid	8015M/D	18331
885-17493-6	TB-W40	Total/NA	Solid	8015M/D	18331
MB 885-18331/1-A	Method Blank	Total/NA	Solid	8015M/D	18331
LCS 885-18331/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	18331
885-17493-1 MS	TB-B23B	Total/NA	Solid	8015M/D	18331
885-17493-1 MSD	TB-B23B	Total/NA	Solid	8015M/D	18331

Analysis Batch: 18327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	8021B	18331
885-17493-2	TB-IW6C	Total/NA	Solid	8021B	18331
885-17493-3	TB-W37	Total/NA	Solid	8021B	18331
885-17493-4	TB-W38	Total/NA	Solid	8021B	18331
885-17493-5	TB-W39	Total/NA	Solid	8021B	18331
885-17493-6	TB-W40	Total/NA	Solid	8021B	18331
MB 885-18331/1-A	Method Blank	Total/NA	Solid	8021B	18331
LCS 885-18331/3-A	Lab Control Sample	Total/NA	Solid	8021B	18331
885-17493-2 MS	TB-IW6C	Total/NA	Solid	8021B	18331
885-17493-2 MSD	TB-IW6C	Total/NA	Solid	8021B	18331

Prep Batch: 18331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	5035	
885-17493-2	TB-IW6C	Total/NA	Solid	5035	
885-17493-3	TB-W37	Total/NA	Solid	5035	
885-17493-4	TB-W38	Total/NA	Solid	5035	
885-17493-5	TB-W39	Total/NA	Solid	5035	
885-17493-6	TB-W40	Total/NA	Solid	5035	
MB 885-18331/1-A	Method Blank	Total/NA	Solid	5035	
LCS 885-18331/2-A	Lab Control Sample	Total/NA	Solid	5035	
LCS 885-18331/3-A	Lab Control Sample	Total/NA	Solid	5035	
885-17493-1 MS	TB-B23B	Total/NA	Solid	5035	
885-17493-1 MSD	TB-B23B	Total/NA	Solid	5035	
885-17493-2 MS	TB-IW6C	Total/NA	Solid	5035	
885-17493-2 MSD	TB-IW6C	Total/NA	Solid	5035	

GC Semi VOA

Prep Batch: 18426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	SHAKE	
885-17493-2	TB-IW6C	Total/NA	Solid	SHAKE	
MB 885-18426/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-18426/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-17493-1

GC Semi VOA

Prep Batch: 18473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-3	TB-W37	Total/NA	Solid	SHAKE	
885-17493-4	TB-W38	Total/NA	Solid	SHAKE	
885-17493-5	TB-W39	Total/NA	Solid	SHAKE	
885-17493-6	TB-W40	Total/NA	Solid	SHAKE	
MB 885-18473/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 885-18473/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 18502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	8015M/D	18426
885-17493-2	TB-IW6C	Total/NA	Solid	8015M/D	18426
885-17493-3	TB-W37	Total/NA	Solid	8015M/D	18473
885-17493-4	TB-W38	Total/NA	Solid	8015M/D	18473
885-17493-5	TB-W39	Total/NA	Solid	8015M/D	18473
885-17493-6	TB-W40	Total/NA	Solid	8015M/D	18473
MB 885-18426/1-A	Method Blank	Total/NA	Solid	8015M/D	18426
MB 885-18473/1-A	Method Blank	Total/NA	Solid	8015M/D	18473
LCS 885-18426/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	18426
LCS 885-18473/2-A	Lab Control Sample	Total/NA	Solid	8015M/D	18473

HPLC/IC

Analysis Batch: 18348

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	300.0	18349
885-17493-2	TB-IW6C	Total/NA	Solid	300.0	18349
885-17493-3	TB-W37	Total/NA	Solid	300.0	18349
885-17493-4	TB-W38	Total/NA	Solid	300.0	18349
885-17493-5	TB-W39	Total/NA	Solid	300.0	18349
885-17493-6	TB-W40	Total/NA	Solid	300.0	18349
MB 885-18349/1-A	Method Blank	Total/NA	Solid	300.0	18349
LCS 885-18349/2-A	Lab Control Sample	Total/NA	Solid	300.0	18349

Prep Batch: 18349

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-17493-1	TB-B23B	Total/NA	Solid	300_Prep	
885-17493-2	TB-IW6C	Total/NA	Solid	300_Prep	
885-17493-3	TB-W37	Total/NA	Solid	300_Prep	
885-17493-4	TB-W38	Total/NA	Solid	300_Prep	
885-17493-5	TB-W39	Total/NA	Solid	300_Prep	
885-17493-6	TB-W40	Total/NA	Solid	300_Prep	
MB 885-18349/1-A	Method Blank	Total/NA	Solid	300_Prep	
LCS 885-18349/2-A	Lab Control Sample	Total/NA	Solid	300_Prep	

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-B23B

Lab Sample ID: 885-17493-1

Date Collected: 12/19/24 09:50

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 11:17
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 11:17
Total/NA	Prep	SHAKE			18426	KR	EET ALB	12/24/24 11:16
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 13:15
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 19:35

Client Sample ID: TB-IW6C

Lab Sample ID: 885-17493-2

Date Collected: 12/19/24 09:54

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 11:41
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 11:41
Total/NA	Prep	SHAKE			18426	KR	EET ALB	12/24/24 11:16
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 13:26
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 19:44

Client Sample ID: TB-W37

Lab Sample ID: 885-17493-3

Date Collected: 12/19/24 09:56

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 12:05
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 12:05
Total/NA	Prep	SHAKE			18473	EM	EET ALB	12/26/24 13:30
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 13:36
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 20:53

Client Sample ID: TB-W38

Lab Sample ID: 885-17493-4

Date Collected: 12/19/24 10:00

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 12:29

Eurofins Albuquerque

Lab Chronicle

Client: Ranger Environmental Services, Inc
 Project/Site: Roy SWD#3

Job ID: 885-17493-1

Client Sample ID: TB-W38

Lab Sample ID: 885-17493-4

Date Collected: 12/19/24 10:00

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 12:29
Total/NA	Prep	SHAKE			18473	EM	EET ALB	12/26/24 13:30
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 13:47
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 21:03

Client Sample ID: TB-W39

Lab Sample ID: 885-17493-5

Date Collected: 12/19/24 10:02

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 12:53
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 12:53
Total/NA	Prep	SHAKE			18473	EM	EET ALB	12/26/24 13:30
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 13:58
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 21:13

Client Sample ID: TB-W40

Lab Sample ID: 885-17493-6

Date Collected: 12/19/24 10:04

Matrix: Solid

Date Received: 12/21/24 10:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8015M/D		1	18326	JP	EET ALB	12/23/24 13:17
Total/NA	Prep	5035			18331	JP	EET ALB	12/23/24 09:00
Total/NA	Analysis	8021B		1	18327	JP	EET ALB	12/23/24 13:17
Total/NA	Prep	SHAKE			18473	EM	EET ALB	12/26/24 13:30
Total/NA	Analysis	8015M/D		1	18502	EM	EET ALB	12/27/24 14:09
Total/NA	Prep	300_Prep			18349	EH	EET ALB	12/23/24 13:59
Total/NA	Analysis	300.0		20	18348	ES	EET ALB	12/23/24 21:23

Laboratory References:

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Roy SWD#3

Job ID: 885-17493-1

Laboratory: Eurofins Albuquerque

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

Chain-of-Custody Record

Client: EOG-Midland / Ranger Env.

Mailing : EOG - 5509 Champions Dr, Midland TX 79706

Ranger: PO Box 201179, Austin TX 78720

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other

EDD (Type) Excel

Project Manager: W. Kierdorf

Sampler: J. Moralez

On Ice: Yes No

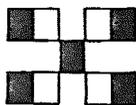
of Coolers: 1

Cooler Temp (including CF): 5.0 + 0.1 = 5.1°C

Project #: 5375

Tel. 505-345-3975 Fax 505-345-4107

885-17493 COC



HALL ENVIRONMENTAL ANALYSIS LABORATORY



Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX (8021)	TPH:8015D(GRO / DRO / MRO)	Chloride (EPA 300)
12/14/24	0950	SOIL	TB-B23B	1x4oz Jar	ICE	-1	X	X	X
	0954		TB-IW6C			-2	X	X	X
	0956		TB-W37			-3	X	X	X
	1000		TB-W38			-4	X	X	X
	1002		TB-W39			-5	X	X	X
	1004		TB-W40			-6	X	X	X

Remarks: Bill to EOG Midland

Received by: [Signature] Date: 12/17/24 Time: 0955

Received by: [Signature] Date: 12/18/24 Time: 11:20



Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-17493-1

Login Number: 17493

List Source: Eurofins Albuquerque

List Number: 1

Creator: Proctor, Nancy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



ATTACHMENT 3 – NMOCD CORRESPONDENCE

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Friday, June 2, 2023 10:34 AM
To: Tina Huerta <Tina_Huerta@egresources.com>
Subject: The Oil Conservation Division (OCD) has approved the application, Application ID: 182384

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Tina Huerta for EOG RESOURCES INC),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action (C-141)*, for incident ID (n#) nAB1801936658, with the following conditions:

- **The Remediation Plan is Conditionally Approved. The variance for the geosynthetic clay liner at 6 feet below ground surface is approved under the circumstance that as much contaminated soil is safely removed as possible. The excavations should be backfilled to 6 feet below surface with clean material, liner installed, and then backfilled to surface with clean material. Since the release is within 300 feet of a significant watercourse, the release will need to meet the strictest closure criteria standards. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. The variance is approved for 400 ft2 floor samples. Collect confirmation sidewall samples, representing no more than 200 ft2. A closure report will need to be completed and uploaded within 90 days.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Robert Hamlet
575-748-1283
Robert.Hamlet@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Date: August 9, 2024 at 9:11:54 AM CDT
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 372173

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC).

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1801936858.

The sampling event is expected to take place:

When: 08/13/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.6705933,-104.6177307)

Additional Information: Chase Settle 575-703-6537 chase_settle@eogresources.com

Additional Instructions: Directions to site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us
Date: August 9, 2024 at 9:16:53 AM CDT
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 372175

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 08/13/2024 @ 08:00

Where: T-07-19C-25C 0 TNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Chase Settle 575-703-6537 chase_settle@egoresources.com

Additional Instructions: Directions to site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Wednesday, September 4, 2024 1:44 PM

To: Todd Wells <Todd_Wells@eogresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 380538

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Todd Wells for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1801936658.

The sampling event is expected to take place:

When: 09/09/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.6705933,-104.5177307)

Additional Information: Sampler Information Chase Settle 575-703-6537

Additional Instructions: Driving Directions Directions to the site can be provided after an email request
Sampler Information Chase Settle 575-703-6537

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>
Sent: Wednesday, September 4, 2024 1:55 PM
To: Todd Wells <Todd_Wells@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 380553

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o Todd Wells for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 09/09/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Sampler Information Chase Settle 575-703-6537

Additional Instructions: Driving Directions Directions to the site can be provided after an email request
Sampler Information Chase Settle 575-703-6537

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, October 1, 2024 9:14 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 388654

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1801938658.

The sampling event is expected to take place:

When: 10/03/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 860 FEL (32.8705933,-104.5177307)

Additional information: Chase Settle 575-703-8537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, October 1, 2024 9:16 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 388656

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 10/03/2024 @ 08:00

Where: F-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Chase Settle 575-703-8537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1)(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Monday, October 14, 2024 3:46 PM

To: James Kennedy <James_Kennedy@eogresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 392521

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1801936658.

The sampling event is expected to take place:

When: 10/17/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.6705933,-104.5177307)

Additional Information: Chase Settle 575-703-6537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Monday, October 14, 2024 4:07 PM

To: James Kennedy <James_Kennedy@eogresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 392527

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC).

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1834464137.

The sampling event is expected to take place:

When: 10/17/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Chase Settle 575-703-6537 chase_settle@eogresources.com

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive

Santa Fe, NM 87505

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>

Sent: Tuesday, October 29, 2024 2:15 PM

To: James Kennedy <James_Kennedy@eogresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 396816

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (D-141N)*, for incident ID (n#) nAB1801936658.

The sampling event is expected to take place:

When: 11/01/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.6705933,-104.5177307)

Additional Information: Chase Settle 575-703-6537

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, October 29, 2024 2:19 PM

To: James Kennedy <James.Kennedy@egresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 396821

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC).

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 11/01/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.8705933,-104.5177307)

Additional Information: Chase Settle 575-703-6537

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, November 20, 2024 10:14 PM
To: James Kennedy <James_Kennedy@egoresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 405419

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1801936658.

The sampling event is expected to take place:

When: 11/25/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 680 FEL (32.6705933,-104.5177307)

Additional Information: Will Kierdorf 512-335-1785

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1). (a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, November 20, 2024 10:23 PM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 405421

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 11/25/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.6177307)

Additional Information: Will Kierdorf 512-335-1785

Additional Instructions: Directions to the site can be provided after an email request.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1). (a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, December 4, 2024 2:18 PM
To: James Kennedy <James_Kennedy@egresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 408579

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (o/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1801936658.

The sampling event is expected to take place:

When: 12/09/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 880 FEL (32.6705933,-104.5177307)

Additional Information: Will Kierdorf (512)335-1785

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOOnline@state.nm.us <OCDOOnline@state.nm.us>

Sent: Wednesday, December 4, 2024 2:20 PM

To: James Kennedy <James_Kennedy@egoresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 408582

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (p/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 12/09/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Will Kierdorf (512)335-1785

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Tuesday, December 17, 2024 10:28 AM

To: James Kennedy <James_Kennedy@egoresources.com>

Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 412836

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted Notification for (Final) Sampling of a Release (C-141N), for incident ID (n#) nAB1801938858.

The sampling event is expected to take place:

When: 12/19/2024 @ 08:00

Where: P-07-19S-25E 810 FSL 660 FEL (32.6705933,-104.5177307)

Additional Information: Will Kierdorf (512)335-1785

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Tuesday, December 17, 2024 10:29 AM
To: James Kennedy <James_Kennedy@eogresources.com>
Subject: The Oil Conservation Division (OCD) has accepted the application, Application ID: 412841

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nAB1834454137.

The sampling event is expected to take place:

When: 12/19/2024 @ 08:00

Where: P-07-19S-25E 0 FNL 0 FEL (32.6705933,-104.5177307)

Additional Information: Will Kierdorf (512)335-1785

Additional Instructions: Directions to the site can be provided after an email request

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).a) NMAC, may result in the remediation closure samples not being accepted.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 476979

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 476979
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1801936658
Incident Name	NAB1801936658 ROY SWD #003 @ 30-015-26562
Incident Type	Produced Water Release
Incident Status	Reclamation Report Received
Incident Well	[30-015-26562] ROY SWD #003

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	ROY SWD #003
Date Release Discovered	01/04/2018
Surface Owner	Private

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 6 BBL Recovered: 5 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Action 476979

QUESTIONS (continued)

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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>

With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Kennedy Title: Safety and Environmental Doecialist Email: James_kennedy@eogresources.com Date: 01/21/2025
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QUESTIONS (continued)

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QUESTIONS

Site Characterization

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 100 and 200 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1/2 and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1/2 and 1 (mi.)
Any other fresh water well or spring	Between 1/2 and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1/2 and 1 (mi.)
A wetland	Between 100 and 200 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	13000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	12100
GRO+DRO (EPA SW-846 Method 8015M)	7100
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	08/16/2021
On what date will (or did) the final sampling or liner inspection occur	12/19/2024
On what date will (or was) the remediation complete(d)	12/19/2024
What is the estimated surface area (in square feet) that will be reclaimed	8683
What is the estimated volume (in cubic yards) that will be reclaimed	8700
What is the estimated surface area (in square feet) that will be remediated	8683
What is the estimated volume (in cubic yards) that will be remediated	8700

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS (continued)

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QUESTIONS

Remediation Plan (continued)

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Not answered.
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	No
OR is the off-site disposal site, to be used, an NMED facility	Yes
What is the name of the NMED facility	Gandy Marley
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: James Kennedy Title: Safety and Environmental Doecialist Email: James_kennedy@eogresources.com Date: 01/21/2025
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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Action 476979

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
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QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 476979

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	412836
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/19/2024
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	1200

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	8683
What was the total volume (cubic yards) remediated	8700
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	8683
What was the total volume (in cubic yards) reclaimed	8700
Summarize any additional remediation activities not included by answers (above)	Please see attached Closure report.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: James Kennedy Title: Safety and Environmental Doecialist Email: James_kennedy@eogresources.com Date: 01/21/2025
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QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	148508
What was the total volume of replacement material (in cubic yards) for this site	34120
<i>Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.</i>	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeded commence(d)	04/21/2025
Summarize any additional reclamation activities not included by answers (above)	All reclamation information is included with the attached report.
<i>The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeded plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: Chase Settle Title: Safety & Environmental Rep II Email: chase_settle@eogresources.com Date: 06/19/2025

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QUESTIONS (continued)

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	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

QUESTIONS

Revegetation Report	
<i>Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.</i>	
Requesting a restoration complete approval with this submission	No
<i>Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.</i>	

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CONDITIONS

Action 476979

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 476979
	Action Type: [C-141] Reclamation Report C-141 (C-141-v-Reclamation)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your reclamation report for Incident #NAB1801936658 ROY SWD #003, thank you. The reclamation report is approved.	9/4/2025