



SITE CHARACTERIZATION, REMEDIATION AND CLOSURE REPORT

**RESOLUTE 12 FED COM #505H
UNIT N, SECTION 12, TOWNSHIP 25S, RANGE 32E
LEA COUNTY, NEW MEXICO
32.139200, -103.630000
RANGER REFERENCE NO. 5198**

PREPARED FOR:

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

PREPARED BY:

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

JULY 19, 2022

A blue ink signature of Max Cook, consisting of stylized initials.

**Max Cook, CAPM (TX)
Senior Project Manager**

A blue ink signature of William Kierdorf, consisting of stylized initials.

**William Kierdorf, REM
Project Manager**

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FORM C-141**FIGURES**

- Topographic Map
- Area Map
- Karst Topography Map
- Final Confirmation Soil Sample Location Map

TABLES

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

ATTACHMENTS

- Attachment 1 – Depth-to-Groundwater Data
- Attachment 2 – Photographic Documentation
- Attachment 3 – Laboratory Analytical Reports
- Attachment 4 – NMOCD Correspondence



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1.0 SITE LOCATION AND BACKGROUND

On March 26, 2022, a release was discovered at the Resolute 12 Fed Com #505 well pad (Site). The release was noted to be originating from an over-flowing pump down tank. The Site is located approximately 25.6 miles west of Jal, within Lea County, New Mexico in Unit N, Section 12, T25S-R32E at GPS coordinates 32.139200, -103.630000.

Approximately 15 barrels (bbls) of treated reuse water was released. Upon discovery, immediate action was taken to halt the release of fluids. The incident was reported to the New Mexico Oil Conservation Division (NMOCD) (NMOCD Incident # nAPP2209732674). EOG Resources, Inc. (EOG) subsequently engaged Ranger Environmental Services, Inc. (Ranger) to assist in the remediation efforts at the Site. On June 24, 2022, EOG personnel requested a 60 day extension to allow for the appropriate characterization and remediation of the incident. The NMOCD approved the extension on June 24, 2022. Copies of the extension request and NMOCD approval are attached.

The following *Site Characterization, Remediation, and Closure Report* has been prepared to document the site characterization details as well as the completed remediation activities and confirmation soil sampling activities.

A copy of the previously submitted Form C-141 Release Notification is attached. Additionally, current versions of the Assessment/Characterization, Remediation, and Closure sections of Form C-141 are attached. A Topographic Map and Area Map noting the location of the subject Site and surrounding areas as well as a Site Map illustrating the Site features and sampling locations are provided in the Figures section.

2.0 SITE CHARACTERIZATION

2.1 Depth-to-Groundwater

To determine the depth-to-groundwater in the vicinity of the Site, data available from the U.S. Geological Survey (USGS) and the New Mexico Office of the State Engineer (NMOSE) was reviewed. Based upon the reviewed information, water well information within a half-mile is limited. Based on the available information, depth-to-groundwater appears to be greater than 100 feet below ground surface (bgs). Copies of the reviewed depth-to-groundwater information are attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information no water wells were identified within a half-mile of the Site.

Upon review of the National Wetland Inventory, no mapped features are present within a mile of the Site.

The Site and impacted area are outside of the FEMA 100-year flood plain and fall in the area of minimal flood hazard.

The Site is noted to be in an area of "Low Karst" probability.

2.3 Distance to Nearest Significant Watercourse

Based upon available online resources, no significant water courses are located within a half-mile of the site.

2.4 Closure Criteria

Based upon the Site characterization details, and per NMAC 19.15.29.12, the Site was remediated to Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. Additionally, the remediation activities were conducted to bring the area into compliance with the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. The proposed closure criteria are 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	50	10

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

3.0 **SITE REMEDIATION**

To address the area impacted by the release, soil removal operations were conducted at the Site.

3.1 June 7, 2022

On June 7, 2022, Ranger personnel mobilized to the spill area to conduct a site assessment of the excavated areas which included the collection of confirmation soil samples for laboratory analysis. At the time of the assessment, the area impacted by the release had been fully

excavated and was noted to have dimensions of approximately 145 feet by 107 feet and had a maximum depth of approximately nine feet below ground surface (bgs).

To assess the excavated area and to confirm that the excavation areas had been completed to appropriate boundaries, confirmation soil samples were collected as five-part composite samples in accordance with NMAC 19.15.29.12(D), with each sample representing no more than 200 square feet. A total of 47 base samples, 14 excavation wall samples, and two excavation ramp area samples were collected during the June 7, 2022 assessment activities.

The confirmation soil samples were submitted to Eurofins Xenco laboratory in Carlsbad, 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. The samples were collected and managed using standard QA/QC and chain-of-custody procedures.

3.2 June 27, 2022

Upon review of the June 7, 2022, laboratory sample results, one excavation base sample ("B-7") was identified to have a TPH concentrations in exceedance of the applicable Table 1 Criteria. All other remaining samples were documented to have concentrations below the Table 1 Criteria.

To address the area noted to have an elevated TPH concentrations, representatives of EOG and Ranger personnel returned to the Site on June 27, 2022 to conduct additional soil removal operations. Utilizing an Organic Vapor Monitor, Ranger personnel assisted in assessing conditions within the "B-7" area and guiding the excavation to appropriate boundaries.

To confirm that the area was in attainment of the applicable Table 1 criteria, an additional confirmation soil sample was collected. Once again, the confirmation sample was collected in accordance with NMAC 19.15.29.12(D), with the sample representing no more than 200 square feet.

Upon collection, the confirmation soil sample was submitted to Eurofins Xenco laboratory in Carlsbad, New Mexico for analysis of BTEX, TPH, and total chloride using the aforementioned laboratory methods. The sample was collected and managed using standard QA/QC and chain-of-custody procedures.

A Site map depicting the final excavation boundaries and confirmation sample location areas is attached.

3.3 Final Confirmation Sample Results

Upon review of the final confirmation sample results, all areas have been brought into attainment of the Table 1 (groundwater ≤50 feet) criteria and the Restoration, Reclamation and Re-Vegetation criteria detailed in 19.15.29.13 NMAC. A comprehensive sample results table summarizing the laboratory sample results for all samples collected during the remediation process is attached. Copies of the laboratory analytical reports including chain-of-custody documentation are attached.

3.4 Waste Disposal

All soils generated during the remedial excavation activities were transported and disposed of at an approved disposal facility in New Mexico. Copies of the soil manifests can be obtained upon request.

4.0 SITE CLOSURE

4.1 Site Backfill

Based on the soil sample laboratory results, the excavated area will be backfilled with clean fill material in accordance with NMAC 19.15.29.12 and NMAC 19.15.29.13.

4.2 Closure Request

Based on the results of the cleanup confirmation soil sampling events, the site has been properly addressed pursuant to NMAC 19.15.29 and EOG respectfully requests closure of the incident. A final C-141 form is attached.

FORM C-141

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2209732674
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name Todd Wells	Contact Telephone (432) 686-3613
Contact email Todd_Wells@eogresources.com	Incident # (assigned by OCD) nAPP2209732674
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.139200° Longitude -103.630000°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Resolute 12 Fed Com #505H	Site Type Well Pad
Date Release Discovered 3/26/22	API# (if applicable)

Unit Letter	Section	Township	Range	County
N	12	25S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

☐ Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
☒ Reuse Water	Volume Released (bbls) 15	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	☒ Yes ☐ No
☐ Condensate	Volume Released (bbls)	Volume Recovered (bbls)
☐ Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
☐ Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: The reuse water overflowed in the pump down tank, releasing 15 bbls of treated reuse water on to the pad with 0 bbls recovered.

Incident ID	NAPP2209732674
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☒ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

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. ☒ The impacted area has been secured to protect human health and the environment. ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. ☒ All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Todd Wells</u>	Title: <u>Environmental Specialist</u>
Signature: <u>Todd Wells</u>	Date: <u>4/7/22</u>
email: <u>Todd_Wells@eogresources.com</u>	Telephone: <u>(432) 686-3613</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/07/2022</u>

Incident ID	nAPP2209732674
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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?	<u>>100'</u> (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☒ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☒ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☒ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☒ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☒ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☒ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☒ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☒ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☒ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☒ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

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District RP	
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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.

Printed Name: James F. Kennedy Title: Environmental Specialist
Signature: James F Kennedy Date: 07/21/2022
email: james_kennedy@eogresources.com Telephone: 432-258-4346

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2209732674
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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.

Printed Name: James F. Kennedy Title: Environmental Specialist
Signature: James F Kennedy Date: 07/21/2022
email: james_kennedy@eogresources.com Telephone: 432-258-4346

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____

Incident ID	nAPP2209732674
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: James F. Kennedy Title: Environmental Specialist
Signature: James F Kennedy Date: 07/21/2022
email: james_kennedy@eogresources.com Telephone: 432-258-4346

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui Date: 07/26/2022
Printed Name: Jennifer Nobui Title: Environmental Specialist A

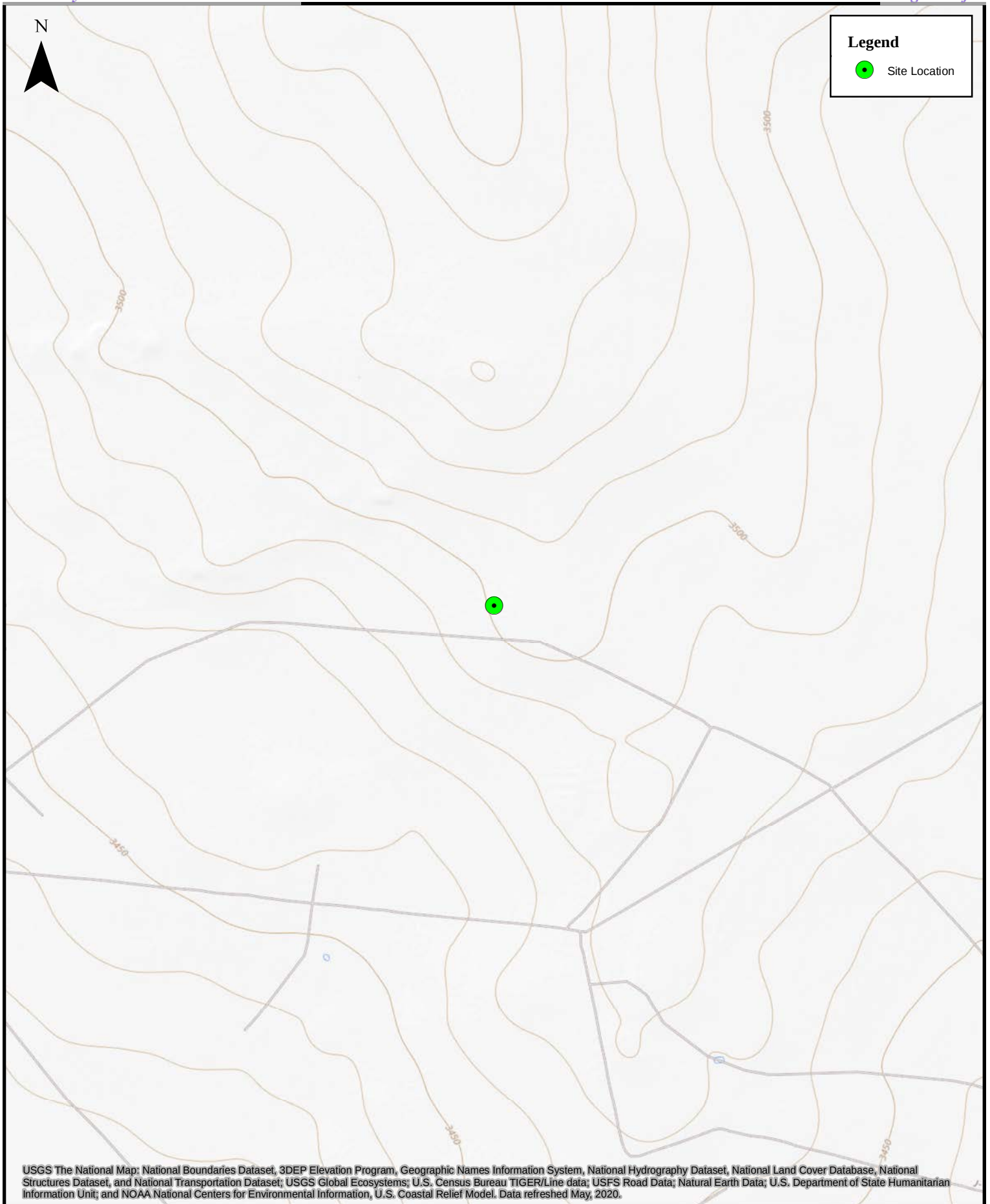
FIGURES

Topographic Map

Area Map

Karst Topography Map

Final Confirmation Soil Sample Location Map



0 600 1,200 2,400 3,600 4,800 Feet

1:24,000

Topographic Map
Resolute 12 Fed Com #505H
EOG Resources, Inc.



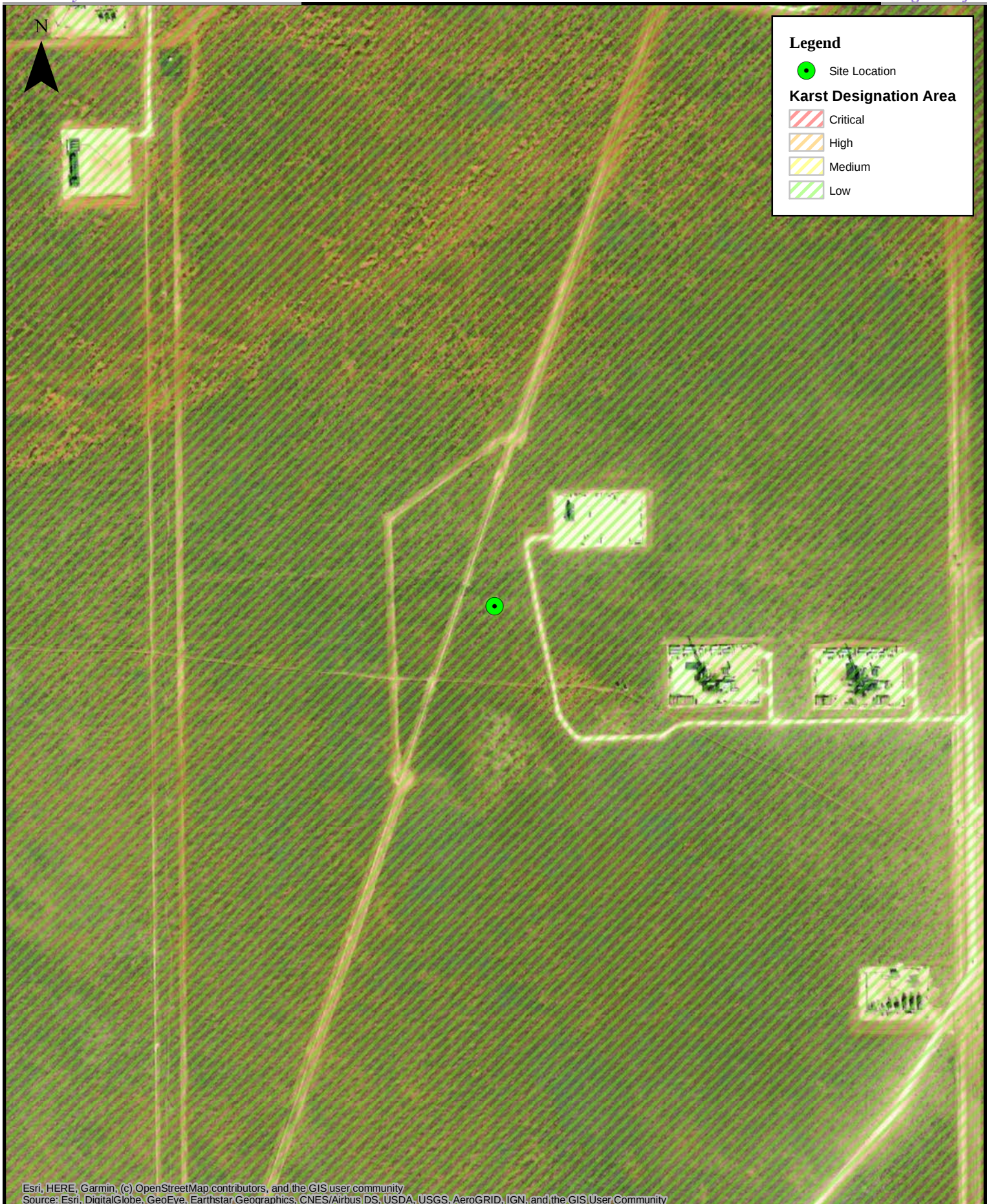
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

1:10,000

Area Map
Resolute 12 Fed Com #505H
EOG Resources, Inc.



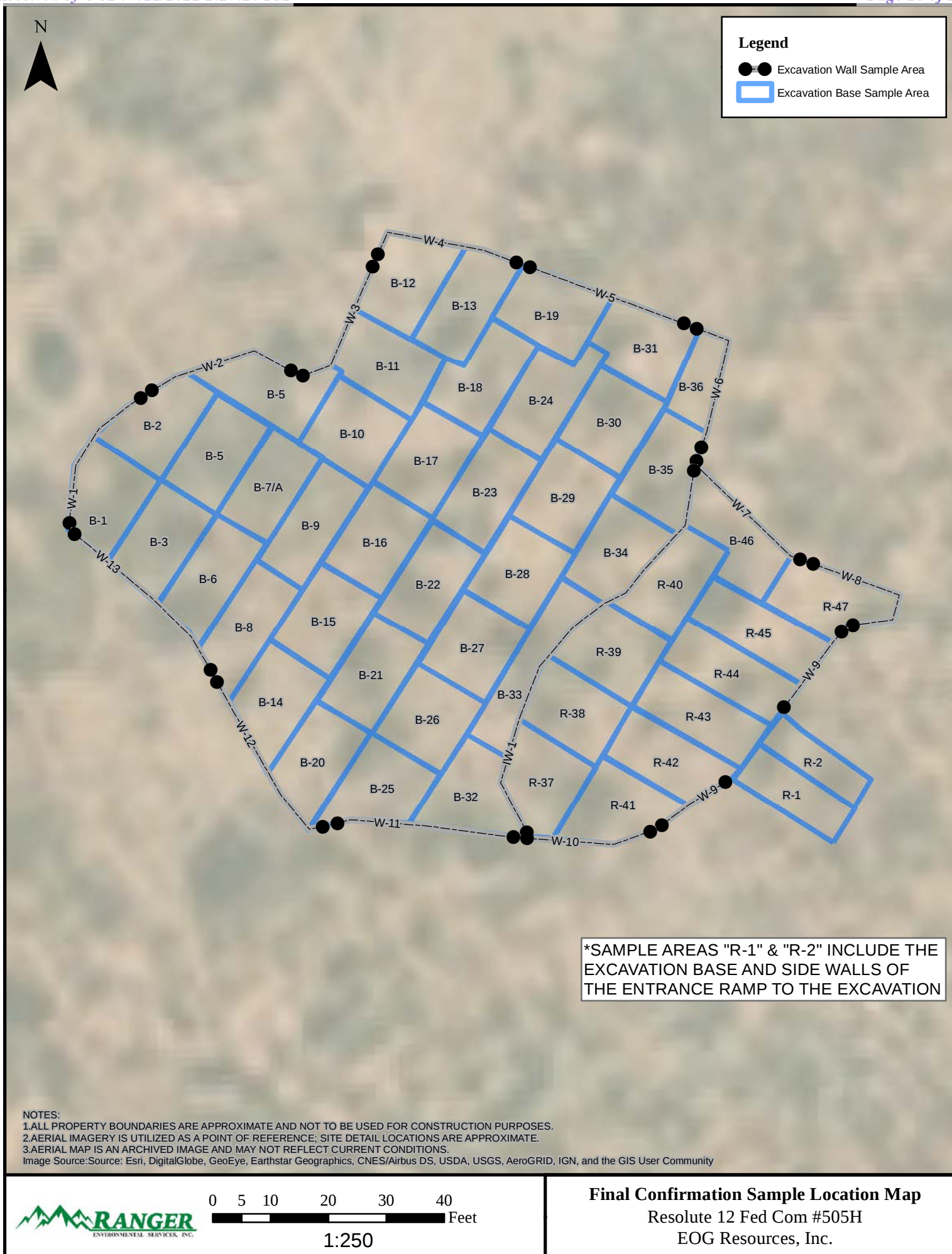
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0 250 500 1,000 1,500 2,000
Feet

1:10,000

Karst Topography Map
Resolute 12 Fed Com #505H
EOG Resources, Inc.



TABLES

Confirmation Soil Sample BTEX (EPA 8260), TPH (EPA 8015) & Chloride (EPA 300) Analytical Data

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	DepthWell	DepthWater	Water Column
C 04618 POD1		CUB	LE	3	4	3	18	25S	32E	621041	3554886	55		
C 04620 POD1		CUB	LE	4	3	4	06	25S	32E	621445	3558018	55		
C 04634 POD1		CUB	LE	4	3	3	10	25S	32E	625643	3556522	55		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 3

PLSS Search:

Township: 25S **Range:** 32E

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/14/22 3:22 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
C 01932	C	C	ED	3	1	12	24S	32E		628633	3567188*	492		
C 02350	C	CUB	ED	4	3	10	24S	32E		625826	3566333*	60		
C 03527 POD1	C	C	LE	1	2	3	03	24S	32E	625770	3568487	500		
C 03528 POD1	C	C	LE	1	1	2	15	24S	32E	626040	3566129	541		
C 03530 POD1	C	C	LE	3	4	3	07	24S	32E	620886	3566156	550		
C 03555 POD1	C	C	LE	2	2	1	05	24S	32E	622748	3569233	600	380	220
C 04536 POD1	C	C	LE	1	2	2	33	24S	32E	625019	3561244	500	314	186

Average Depth to Water: **347 feet**

Minimum Depth: **314 feet**

Maximum Depth: **380 feet**

Record Count: 7

PLSS Search:

Township: 24S **Range:** 32E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/20/22 9:39 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
C 02271	R	CUB	LE	2	3	21	26S	32E		624449	3544111*	150	125	25
C 02271 POD2		CUB	LE	3	2	3	21	26S	32E	624348	3544010*	270	250	20
C 02274		CUB	LE	2	1	2	31	26S	32E	621742	3541730*	300	295	5
C 02323		C	LE	3	2	3	21	26S	32E	624348	3544010*	405	405	0
C 03537 POD1		CUB	LE	3	2	3	21	26S	32E	624250	3543985	850		
C 03595 POD1		CUB	LE	4	2	3	21	26S	32E	624423	3544045	280	180	100
C 03829 POD1		CUB	LE	3	3	1	06	26S	32E	620628	3549186	646	350	296
C 04209 POD1		CUB	LE	2	3	3	06	26S	32E	620903	3548619	360	155	205
C 04209 POD2		C	LE	2	3	3	06	26S	32E	620818	3548657	340	155	185
C 04485 POD1		CUB	LE	4	1	1	12	26S	32E	629039	3548125	55		
C 04548 POD1		CUB	LE	1	2	1	01	26S	32E	628238	3622599		110	
C 04549 POD1		CUB	LE	1	1	1	11	26S	32E	627111	3548316	0	0	0

Average Depth to Water: **202 feet**

Minimum Depth: **0 feet**

Maximum Depth: **405 feet**

Record Count: 12

PLSS Search:

Township: 26S **Range:** 32E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/20/22 9:40 AM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Code	Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	DepthWell	DepthWater	Water Column
C 02250		CUB	ED	3	1	4	21	25S	31E	614912	3553620*	400	390	10
C 02568		CUB	ED	4	3	1	01	25S	31E	619103	3558892*	1025		
C 02569		CUB	ED	4	4	2	02	25S	31E	618699	3558891*	1016		
C 02570		CUB	ED	4	2	4	02	25S	31E	618704	3558489*	895		
C 02571		CUB	ED	4	1	2	02	25S	31E	618292	3559294*	860		
C 02572		CUB	ED	4	2	2	02	25S	31E	618695	3559294*	852		
C 02573		CUB	ED	1	4	2	02	25S	31E	618499	3559091*			
C 02574		CUB	ED	1	1	2	02	25S	31E	618092	3559494*			
C 03830 POD1		CUB	ED	4	2	4	02	25S	31E	618632	3558432	450		
C 04479 POD1		CUB	ED	2	1	1	04	25S	31E	614182	3559400	0	0	0
C 04500 POD1		CUB	ED	4	4	1	28	25S	31E	614620	3552380			

Average Depth to Water: **195 feet**

Minimum Depth: **0 feet**

Maximum Depth: **390 feet**

Record Count: 11

PLSS Search:

Township: 25S **Range:** 31E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

5/20/22 9:41 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tw	Rng	X	Y	DepthWell	DepthWater	Water Column
C 02312		CUB	LE	1	2	1	05	25S	33E	632292	3559772	150	90	60
C 02313		CUB	LE	2	3	3	26	25S	33E	636971	3552098*	150	110	40
C 02373 CLW317846	O	CUB	LE	2	1	1	13	25S	33E	638518	3556544*	625	185	440
C 02373 S		CUB	LE	1	2	1	13	25S	33E	638721	3556549*	625	185	440
C 04537 POD1		C	LE	4	4	4	31	25S	33E	631847	3550243	500	280	220
C 04627 POD1		CUB	LE	3	3	4	08	25S	33E	632665	3556725			

Average Depth to Water: **170 feet**

Minimum Depth: **90 feet**

Maximum Depth: **280 feet**

Record Count: 6

PLSS Search:

Township: 25S **Range:** 33E

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/14/22 3:27 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION



**PHOTOGRAPH NO. 1 – A general view of the excavation/remediation area on June 7, 2022.
The view is towards the southwest.**

(Approximate GPS Coordinates: 32.139897, -103.629589)



**PHOTOGRAPH NO. 2 – An additional view of the excavation/remediation area at the Site.
The view is towards the southeast.**

(Approximate GPS Coordinates: 32.139924, -103.630112)



PHOTOGRAPH NO. 3 – A view of the over-excavation activities in the “B-7” sample area on June 27, 2022.

(Approximate GPS Coordinates: 32.139497, -103.629992)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2387-1

Laboratory Sample Delivery Group: 5198

Client Project/Site: Resolute 12 Fed Com 505 & 506
Revision: 2

For:

Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Will Kierdorf

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:

6/22/2022 1:59:14 PM

Holly Taylor, Project Manager

(806)794-1296

Holly.Taylor@et.eurofinsus.com

LINKS

Review your project
results through



Have a Question?



Visit us at:

www.eurofinsus.com/Env

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Laboratory Job ID: 890-2387-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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)

Eurofins Carlsbad

Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
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/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Job ID: 890-2387-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2387-1**

Comments

No additional comments.

Revision

The report being provided is a revision of the original report sent on 6/17/2022. The report (revision 2) is being revised to show all results down to the MDL per Will Kierdorf (phone).

Report revision history

Revision 1 - 6/17/2022 - Reason - The report was revised to correct the Project Name per Will Kierdorf (email).

Receipt

The samples were received on 6/8/2022 8:17 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 was 1.2° C.

GC VOA

Method 8021B: Surrogate recovery for the following sample was outside control limits: B-17 (890-2387-31). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: CCV biased low for Ethylbenzene, m,p-Xylenes, and o-Xylene, however an acceptable CCV was analyzed within the 12 hour window, therefore data was qualified and reported.
(CCV 880-27440/33)

Method 8021B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 880-27259 and analytical batch 880-27440 recovered outside control limits for the following analytes: Benzene.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-27259 and analytical batch 880-27440 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8021B: The CCV was biased low for both benzene and toluene, however since the next CCV was within calibration it was determined this was a possible injection error and the data was qualified and reported.
(CCV 880-27336/20)

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

GC Semi VOA

Method 8015B NM: The method blank for preparation batch 880-27209 and analytical batch 880-27340 contained Oil Range Organics (Over C28-C36) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The continuing calibration was biased high for both the gasoline and diesel hydrocarbon ranges. However, the bracketing continuing calibration verifications were acceptable so the data was qualified and reported.
(CCV 880-27340/19)

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-27209/2-A). Evidence of matrix interferences is not obvious.

Method 8015B NM: The method blank for preparation batch 880-27292 and analytical batch 880-27330 contained Diesel Range Organics (Over C10-C28) above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-27292 and analytical batch

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Job ID: 890-2387-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

880-27330 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015B NM: Surrogate recovery for the following sample was outside control limits: (890-2387-A-21-F MS). Evidence of matrix interferences is not obvious.

Method 8015B NM: The method blank for preparation batch 880-27203 and analytical batch 880-27237 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015B NM: Surrogate recovery for the following samples were outside control limits: W-11 (890-2387-11) and B-5 (890-2387-19). Evidence of matrix interferences is not obvious.

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

General Chemistry

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

Organic Prep

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

VOA Prep

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

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-1

Lab Sample ID: 890-2387-1

Date Collected: 06/07/22 08:24

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1
o-Xylene	0.000501	J	0.00199	0.000342	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/09/22 12:42	06/11/22 21:19	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/09/22 12:42	06/11/22 21:19	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 11:22	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 11:22	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 11:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	06/09/22 14:22	06/10/22 11:22	1
o-Terphenyl	103		70 - 130	06/09/22 14:22	06/10/22 11:22	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13.9		4.96	0.851	mg/Kg	-		06/13/22 22:13	1

Client Sample ID: W-2

Lab Sample ID: 890-2387-2

Date Collected: 06/07/22 08:27

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1
Ethylbenzene	<0.000561	U	0.00198	0.000561	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1
m,p-Xylenes	<0.00100	U	0.00397	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1
o-Xylene	0.000484	J	0.00198	0.000341	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/09/22 12:42	06/11/22 21:46	1

Eurofins Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-2

Date Collected: 06/07/22 08:27

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7

Lab Sample ID: 890-2387-2

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/22 12:42	06/11/22 21:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 12:27	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 12:27	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 12:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				06/09/22 14:22	06/10/22 12:27	1
o-Terphenyl	116		70 - 130				06/09/22 14:22	06/10/22 12:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.5		5.01	0.860	mg/Kg	-		06/14/22 11:47	1

Client Sample ID: W-3

Date Collected: 06/07/22 08:32

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7.5

Lab Sample ID: 890-2387-3

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1
o-Xylene	0.000428	J	0.00200	0.000343	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 12:42	06/11/22 22:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	124		70 - 130	06/09/22 12:42	06/11/22 22:13	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 12:42	06/11/22 22:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Eurofins Carlsbad

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-3

Date Collected: 06/07/22 08:32

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7.5

Lab Sample ID: 890-2387-3

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 12:49	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 12:49	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				06/09/22 14:22	06/10/22 12:49	1
o-Terphenyl	108		70 - 130				06/09/22 14:22	06/10/22 12:49	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.7		4.97	0.853	mg/Kg	-		06/14/22 11:55	1

Client Sample ID: W-4

Date Collected: 06/07/22 08:37

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7.5

Lab Sample ID: 890-2387-4

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 22:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				06/09/22 12:42	06/11/22 22:38	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/09/22 12:42	06/11/22 22:38	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:10	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:10	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/09/22 14:22	06/10/22 13:10	1
o-Terphenyl	106		70 - 130				06/09/22 14:22	06/10/22 13:10	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-4

Date Collected: 06/07/22 08:37

Date Received: 06/08/22 08:17

Sample Depth: 0 - 7.5

Lab Sample ID: 890-2387-4

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	54.6		4.98	0.855	mg/Kg			06/13/22 22:37	1

Client Sample ID: W-5

Date Collected: 06/07/22 08:40

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-5

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/11/22 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130				06/09/22 12:42	06/11/22 23:04	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/09/22 12:42	06/11/22 23:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.2	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.2	J B	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 13:32	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 13:32	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/09/22 14:22	06/10/22 13:32	1
o-Terphenyl	104		70 - 130				06/09/22 14:22	06/10/22 13:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	260		25.0	4.29	mg/Kg			06/13/22 22:45	5

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-6

Lab Sample ID: 890-2387-6

Date Collected: 06/07/22 08:42

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 12:42	06/11/22 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	06/09/22 12:42	06/11/22 23:29	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 12:42	06/11/22 23:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.2	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:54	1
Diesel Range Organics (Over C10-C28)	17.2	J	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 13:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	06/09/22 14:22	06/10/22 13:54	1
o-Terphenyl	123		70 - 130	06/09/22 14:22	06/10/22 13:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	61.8		5.00	0.858	mg/Kg	-		06/13/22 22:53	1

Client Sample ID: W-7

Lab Sample ID: 890-2387-7

Date Collected: 06/07/22 08:44

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/11/22 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130	06/09/22 12:42	06/11/22 23:54	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-7

Lab Sample ID: 890-2387-7

Date Collected: 06/07/22 08:44

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	06/09/22 12:42	06/11/22 23:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.7	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	26.7	J B	49.9	15.0	mg/Kg		06/09/22 14:22	06/10/22 14:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 14:22	06/10/22 14:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 14:22	06/10/22 14:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/09/22 14:22	06/10/22 14:16	1
o-Terphenyl	113		70 - 130				06/09/22 14:22	06/10/22 14:16	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	107		5.00	0.858	mg/Kg			06/14/22 13:45	1

Client Sample ID: W-8

Lab Sample ID: 890-2387-8

Date Collected: 06/07/22 08:46

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg		06/09/22 12:42	06/12/22 00:20	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		06/09/22 12:42	06/12/22 00:20	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		06/09/22 12:42	06/12/22 00:20	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg		06/09/22 12:42	06/12/22 00:20	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		06/09/22 12:42	06/12/22 00:20	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		06/09/22 12:42	06/12/22 00:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/09/22 12:42	06/12/22 00:20	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/09/22 12:42	06/12/22 00:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-8

Date Collected: 06/07/22 08:46

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-8

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:37	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/09/22 14:22	06/10/22 14:37	1
o-Terphenyl	111		70 - 130				06/09/22 14:22	06/10/22 14:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	41.2		4.98	0.855	mg/Kg	-		06/14/22 14:08	1

Client Sample ID: W-9

Date Collected: 06/07/22 08:47

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-9

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 00:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130				06/09/22 12:42	06/12/22 00:45	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/09/22 12:42	06/12/22 00:45	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J B	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:59	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 14:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/09/22 14:22	06/10/22 14:59	1
o-Terphenyl	94		70 - 130				06/09/22 14:22	06/10/22 14:59	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-9

Date Collected: 06/07/22 08:47

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-9

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.5		4.95	0.850	mg/Kg			06/14/22 14:16	1

Client Sample ID: W-10

Date Collected: 06/07/22 08:50

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-10

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		06/09/22 12:42	06/12/22 01:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130				06/09/22 12:42	06/12/22 01:11	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/09/22 12:42	06/12/22 01:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 15:21	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 15:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 15:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/09/22 14:22	06/10/22 15:21	1
o-Terphenyl	103		70 - 130				06/09/22 14:22	06/10/22 15:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.0		5.01	0.860	mg/Kg			06/14/22 14:24	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-11

Lab Sample ID: 890-2387-11

Date Collected: 06/07/22 08:55

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 02:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/09/22 12:42	06/12/22 02:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/09/22 12:42	06/12/22 02:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	95.5		49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	22.5	J B	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 16:05	1
Diesel Range Organics (Over C10-C28)	73.0		49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 16:05	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 16:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	06/09/22 14:22	06/10/22 16:05	1
o-Terphenyl	0.03	S1-	70 - 130	06/09/22 14:22	06/10/22 16:05	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.1		4.97	0.853	mg/Kg	-		06/14/22 14:32	1

Client Sample ID: W-12

Lab Sample ID: 890-2387-12

Date Collected: 06/07/22 09:00

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 12:42	06/12/22 03:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/09/22 12:42	06/12/22 03:18	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-12

Date Collected: 06/07/22 09:00

Date Received: 06/08/22 08:17

Sample Depth: 0 - 6

Lab Sample ID: 890-2387-12

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	06/09/22 12:42	06/12/22 03:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.7	J	49.8	14.9	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.7	J B	49.8	14.9	mg/Kg		06/09/22 14:22	06/10/22 16:27	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		06/09/22 14:22	06/10/22 16:27	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		06/09/22 14:22	06/10/22 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/09/22 14:22	06/10/22 16:27	1
o-Terphenyl	99		70 - 130				06/09/22 14:22	06/10/22 16:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.3		5.00	0.858	mg/Kg			06/15/22 19:05	1

Client Sample ID: W-13

Date Collected: 06/07/22 09:04

Date Received: 06/08/22 08:17

Sample Depth: 0 - 6

Lab Sample ID: 890-2387-13

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 12:42	06/12/22 03:43	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 12:42	06/12/22 03:43	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 12:42	06/12/22 03:43	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/12/22 03:43	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 12:42	06/12/22 03:43	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/12/22 03:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130	06/09/22 12:42	06/12/22 03:43	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/09/22 12:42	06/12/22 03:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-13

Date Collected: 06/07/22 09:04

Date Received: 06/08/22 08:17

Sample Depth: 0 - 6

Lab Sample ID: 890-2387-13

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 16:48	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 16:48	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 16:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				06/09/22 14:22	06/10/22 16:48	1
o-Terphenyl	99		70 - 130				06/09/22 14:22	06/10/22 16:48	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	129		24.9	4.27	mg/Kg			06/14/22 15:03	5

Client Sample ID: IW-1

Date Collected: 06/07/22 09:07

Date Received: 06/08/22 08:17

Sample Depth: 7 - 9

Lab Sample ID: 890-2387-14

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		06/09/22 12:42	06/12/22 04:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/09/22 12:42	06/12/22 04:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130				06/09/22 12:42	06/12/22 04:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.8	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.8	J B	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:10	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:10	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/09/22 14:22	06/10/22 17:10	1
o-Terphenyl	110		70 - 130				06/09/22 14:22	06/10/22 17:10	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: IW-1

Date Collected: 06/07/22 09:07

Date Received: 06/08/22 08:17

Sample Depth: 7 - 9

Lab Sample ID: 890-2387-14

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21.4		4.96	0.851	mg/Kg			06/14/22 15:11	1

Client Sample ID: B-1

Date Collected: 06/07/22 10:34

Date Received: 06/08/22 08:17

Sample Depth: 5 - 7

Lab Sample ID: 890-2387-15

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		06/09/22 12:42	06/12/22 04:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				06/09/22 12:42	06/12/22 04:34	1
1,4-Difluorobenzene (Surr)	95		70 - 130				06/09/22 12:42	06/12/22 04:34	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.6	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:32	1
Diesel Range Organics (Over C10-C28)	16.6	J	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:32	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 17:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/09/22 14:22	06/10/22 17:32	1
o-Terphenyl	107		70 - 130				06/09/22 14:22	06/10/22 17:32	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.9		5.04	0.865	mg/Kg			06/14/22 15:19	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-2

Lab Sample ID: 890-2387-16

Date Collected: 06/07/22 10:38

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 5 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg	-	06/09/22 12:42	06/12/22 05:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/09/22 12:42	06/12/22 05:00	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 12:42	06/12/22 05:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 17:54	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 17:54	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 17:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	06/09/22 14:22	06/10/22 17:54	1
o-Terphenyl	109		70 - 130	06/09/22 14:22	06/10/22 17:54	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.9		4.97	0.853	mg/Kg	-		06/14/22 15:27	1

Client Sample ID: B-3

Lab Sample ID: 890-2387-17

Date Collected: 06/07/22 10:41

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 5 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 12:42	06/12/22 05:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/09/22 12:42	06/12/22 05:25	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-3

Date Collected: 06/07/22 10:41

Date Received: 06/08/22 08:17

Sample Depth: 5 - 7

Lab Sample ID: 890-2387-17

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	06/09/22 12:42	06/12/22 05:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	34.4	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.5	J B	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 18:15	1
Diesel Range Organics (Over C10-C28)	16.9	J	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 18:15	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 18:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130				06/09/22 14:22	06/10/22 18:15	1
o-Terphenyl	102		70 - 130				06/09/22 14:22	06/10/22 18:15	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	53.3		4.98	0.855	mg/Kg			06/14/22 15:35	1

Client Sample ID: B-4

Date Collected: 06/07/22 10:44

Date Received: 06/08/22 08:17

Sample Depth: 7 - 7

Lab Sample ID: 890-2387-18

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/09/22 12:42	06/12/22 05:51	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		06/09/22 12:42	06/12/22 05:51	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		06/09/22 12:42	06/12/22 05:51	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg		06/09/22 12:42	06/12/22 05:51	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		06/09/22 12:42	06/12/22 05:51	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		06/09/22 12:42	06/12/22 05:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/09/22 12:42	06/12/22 05:51	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 12:42	06/12/22 05:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.8	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-4

Date Collected: 06/07/22 10:44

Date Received: 06/08/22 08:17

Sample Depth: 7 - 7

Lab Sample ID: 890-2387-18

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:37	1
Diesel Range Organics (Over C10-C28)	19.8	J	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:37	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				06/09/22 14:22	06/10/22 18:37	1
o-Terphenyl	108		70 - 130				06/09/22 14:22	06/10/22 18:37	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.8		5.00	0.858	mg/Kg	-		06/14/22 15:58	1

Client Sample ID: B-5

Date Collected: 06/07/22 10:47

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-19

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/09/22 12:42	06/12/22 06:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/09/22 12:42	06/12/22 06:16	1
1,4-Difluorobenzene (Surr)	96		70 - 130				06/09/22 12:42	06/12/22 06:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.4	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:59	1
Diesel Range Organics (Over C10-C28)	23.4	J	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:59	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 14:22	06/10/22 18:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130				06/09/22 14:22	06/10/22 18:59	1
o-Terphenyl	132	S1+	70 - 130				06/09/22 14:22	06/10/22 18:59	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-5

Date Collected: 06/07/22 10:47

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-19

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	42.7		4.99	0.857	mg/Kg			06/14/22 16:06	1

Client Sample ID: B-6

Date Collected: 06/07/22 10:50

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-20

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 12:42	06/12/22 06:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/09/22 12:42	06/12/22 06:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130				06/09/22 12:42	06/12/22 06:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<15.0	U	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 19:21	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 19:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/09/22 14:22	06/10/22 19:21	1
o-Terphenyl	98		70 - 130				06/09/22 14:22	06/10/22 19:21	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	69.9		4.99	0.857	mg/Kg			06/15/22 19:32	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-7

Lab Sample ID: 890-2387-21

Date Collected: 06/07/22 10:52

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000428	J	0.00199	0.000383	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1
m,p-Xylenes	<0.00100	U **	0.00398	0.00100	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1
o-Xylene	0.000709	J	0.00199	0.000342	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 13:00	06/11/22 21:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	06/09/22 13:00	06/11/22 21:00	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/09/22 13:00	06/11/22 21:00	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00114	J	0.00398	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	196		49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J F1	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 12:00	1
Diesel Range Organics (Over C10-C28)	180	B	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 12:00	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 12:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	06/10/22 11:10	06/11/22 12:00	1
o-Terphenyl	88		70 - 130	06/10/22 11:10	06/11/22 12:00	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	88.0		4.98	0.855	mg/Kg	-		06/15/22 19:42	1

Client Sample ID: B-8

Lab Sample ID: 890-2387-22

Date Collected: 06/07/22 10:57

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 6

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1
m,p-Xylenes	<0.00100	U **	0.00396	0.00100	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1
o-Xylene	0.000589	J	0.00198	0.000341	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg	-	06/09/22 13:00	06/11/22 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/09/22 13:00	06/11/22 21:20	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-8

Lab Sample ID: 890-2387-22

Date Collected: 06/07/22 10:57

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 6

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 13:00	06/11/22 21:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	58.5		50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 13:04	1
Diesel Range Organics (Over C10-C28)	58.5	B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:04	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	80		70 - 130				06/10/22 11:10	06/11/22 13:04	1
o-Terphenyl	82		70 - 130				06/10/22 11:10	06/11/22 13:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.7		4.95	0.850	mg/Kg			06/15/22 19:51	1

Client Sample ID: B-9

Lab Sample ID: 890-2387-23

Date Collected: 06/07/22 11:00

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		06/09/22 13:00	06/11/22 21:41	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		06/09/22 13:00	06/11/22 21:41	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		06/09/22 13:00	06/11/22 21:41	1
m,p-Xylenes	<0.00101	U *	0.00399	0.00101	mg/Kg		06/09/22 13:00	06/11/22 21:41	1
o-Xylene	0.000516	J	0.00200	0.000343	mg/Kg		06/09/22 13:00	06/11/22 21:41	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		06/09/22 13:00	06/11/22 21:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/09/22 13:00	06/11/22 21:41	1
1,4-Difluorobenzene (Surr)	106		70 - 130	06/09/22 13:00	06/11/22 21:41	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.4	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-9

Date Collected: 06/07/22 11:00

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-23

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:27	1
Diesel Range Organics (Over C10-C28)	39.4	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:27	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/10/22 11:10	06/11/22 13:27	1
o-Terphenyl	86		70 - 130				06/10/22 11:10	06/11/22 13:27	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	115		5.00	0.858	mg/Kg			06/15/22 20:00	1

Client Sample ID: B-10

Date Collected: 06/07/22 11:05

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-24

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
m,p-Xylenes	<0.00102	U *	0.00404	0.00102	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
o-Xylene	0.000622	J	0.00202	0.000347	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		06/09/22 13:00	06/11/22 22:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/09/22 13:00	06/11/22 22:02	1
1,4-Difluorobenzene (Surr)	98		70 - 130				06/09/22 13:00	06/11/22 22:02	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.1	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:49	1
Diesel Range Organics (Over C10-C28)	26.1	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:49	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/10/22 11:10	06/11/22 13:49	1
o-Terphenyl	88		70 - 130				06/10/22 11:10	06/11/22 13:49	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-10

Date Collected: 06/07/22 11:05

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-24

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.4		4.99	0.857	mg/Kg			06/15/22 20:28	1

Client Sample ID: B-11

Date Collected: 06/07/22 11:07

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-25

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
m,p-Xylenes	<0.00102	U *	0.00402	0.00102	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
o-Xylene	0.000497	J	0.00201	0.000346	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		06/09/22 13:00	06/11/22 22:23	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130				06/09/22 13:00	06/11/22 22:23	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/09/22 13:00	06/11/22 22:23	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33.6	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:11	1
Diesel Range Organics (Over C10-C28)	33.6	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:11	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/10/22 11:10	06/11/22 14:11	1
o-Terphenyl	86		70 - 130				06/10/22 11:10	06/11/22 14:11	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	20.7		5.04	0.865	mg/Kg			06/15/22 20:37	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-12

Lab Sample ID: 890-2387-26

Date Collected: 06/07/22 11:10

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.000445	J	0.00202	0.000388	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
m,p-Xylenes	<0.00102	U **	0.00403	0.00102	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
o-Xylene	0.000527	J	0.00202	0.000347	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg	-	06/09/22 13:00	06/11/22 22:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				06/09/22 13:00	06/11/22 22:44	1
1,4-Difluorobenzene (Surr)	105		70 - 130				06/09/22 13:00	06/11/22 22:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.7	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 14:33	1
Diesel Range Organics (Over C10-C28)	32.7	J B	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 14:33	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130				06/10/22 11:10	06/11/22 14:33	1
o-Terphenyl	81		70 - 130				06/10/22 11:10	06/11/22 14:33	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.8		4.98	0.855	mg/Kg	-		06/16/22 11:49	1

Client Sample ID: B-13

Lab Sample ID: 890-2387-27

Date Collected: 06/07/22 11:13

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
m,p-Xylenes	<0.00101	U **	0.00401	0.00101	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
o-Xylene	0.000508	J	0.00200	0.000345	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg	-	06/09/22 13:00	06/11/22 23:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/09/22 13:00	06/11/22 23:04	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-13

Lab Sample ID: 890-2387-27

Date Collected: 06/07/22 11:13

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	104		70 - 130	06/09/22 13:00	06/11/22 23:04	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.8	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:56	1
Diesel Range Organics (Over C10-C28)	32.8	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:56	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 14:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130				06/10/22 11:10	06/11/22 14:56	1
o-Terphenyl	90		70 - 130				06/10/22 11:10	06/11/22 14:56	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.8		4.96	0.851	mg/Kg			06/13/22 20:40	1

Client Sample ID: B-14

Lab Sample ID: 890-2387-28

Date Collected: 06/07/22 11:15

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:00	06/11/22 23:25	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:00	06/11/22 23:25	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 13:00	06/11/22 23:25	1
m,p-Xylenes	<0.00101	U *	0.00400	0.00101	mg/Kg		06/09/22 13:00	06/11/22 23:25	1
o-Xylene	0.000591	J	0.00200	0.000344	mg/Kg		06/09/22 13:00	06/11/22 23:25	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:00	06/11/22 23:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	06/09/22 13:00	06/11/22 23:25	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/09/22 13:00	06/11/22 23:25	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	45.9	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-14

Date Collected: 06/07/22 11:15

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-28

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.7	J	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:18	1
Diesel Range Organics (Over C10-C28)	29.2	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/10/22 11:10	06/11/22 15:18	1
o-Terphenyl	81		70 - 130				06/10/22 11:10	06/11/22 15:18	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.0		5.00	0.858	mg/Kg			06/14/22 12:29	1

Client Sample ID: B-15

Date Collected: 06/07/22 11:38

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-29

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
m,p-Xylenes	<0.00101	U *	0.00399	0.00101	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
o-Xylene	0.000517	J	0.00200	0.000343	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		06/09/22 13:00	06/11/22 23:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130				06/09/22 13:00	06/11/22 23:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/09/22 13:00	06/11/22 23:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29.6	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:40	1
Diesel Range Organics (Over C10-C28)	29.6	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:40	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 15:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130				06/10/22 11:10	06/11/22 15:40	1
o-Terphenyl	90		70 - 130				06/10/22 11:10	06/11/22 15:40	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-15

Date Collected: 06/07/22 11:38

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-29

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	36.5		4.99	0.857	mg/Kg			06/13/22 21:17	1

Client Sample ID: B-16

Date Collected: 06/07/22 11:41

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-30

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
m,p-Xylenes	<0.00100	U *	0.00398	0.00100	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
o-Xylene	0.000585	J	0.00199	0.000342	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		06/09/22 13:00	06/12/22 00:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	131	S1+	70 - 130				06/09/22 13:00	06/12/22 00:06	1
1,4-Difluorobenzene (Surr)	80		70 - 130				06/09/22 13:00	06/12/22 00:06	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.7	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.2	J	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 16:02	1
Diesel Range Organics (Over C10-C28)	31.5	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 16:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 16:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/10/22 11:10	06/11/22 16:02	1
o-Terphenyl	80		70 - 130				06/10/22 11:10	06/11/22 16:02	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.8		4.97	0.853	mg/Kg			06/13/22 21:26	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-17

Lab Sample ID: 890-2387-31

Date Collected: 06/07/22 11:45

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U *1	0.00199	0.000383	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1
Toluene	0.000787	J	0.00199	0.000453	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1
Ethylbenzene	0.000735	J	0.00199	0.000562	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1
m,p-Xylenes	0.00200	J	0.00398	0.00100	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1
Xylenes, Total	0.00200	J	0.00398	0.00100	mg/Kg	-	06/10/22 12:19	06/14/22 10:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130	06/10/22 12:19	06/14/22 10:43	1
1,4-Difluorobenzene (Surr)	88		70 - 130	06/10/22 12:19	06/14/22 10:43	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	0.00352	J	0.00398	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	29.3	J	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 16:46	1
Diesel Range Organics (Over C10-C28)	29.3	J B	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 16:46	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 16:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	76		70 - 130	06/10/22 11:10	06/11/22 16:46	1
o-Terphenyl	78		70 - 130	06/10/22 11:10	06/11/22 16:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.8		5.00	0.858	mg/Kg	-		06/13/22 21:35	1

Client Sample ID: B-18

Lab Sample ID: 890-2387-32

Date Collected: 06/07/22 11:50

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/13/22 07:45	06/14/22 05:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	06/13/22 07:45	06/14/22 05:28	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-18

Lab Sample ID: 890-2387-32

Date Collected: 06/07/22 11:50

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	06/13/22 07:45	06/14/22 05:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.4	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.8	J	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:09	1
Diesel Range Organics (Over C10-C28)	23.6	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:09	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	86		70 - 130	06/10/22 11:10	06/11/22 17:09	1			
o-Terphenyl	88		70 - 130	06/10/22 11:10	06/11/22 17:09	1			

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.2		4.98	0.855	mg/Kg			06/14/22 12:38	1

Client Sample ID: B-19

Lab Sample ID: 890-2387-33

Date Collected: 06/07/22 11:54

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/13/22 07:45	06/14/22 05:48	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg		06/13/22 07:45	06/14/22 05:48	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		06/13/22 07:45	06/14/22 05:48	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg		06/13/22 07:45	06/14/22 05:48	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		06/13/22 07:45	06/14/22 05:48	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		06/13/22 07:45	06/14/22 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	06/13/22 07:45	06/14/22 05:48	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/13/22 07:45	06/14/22 05:48	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	39.2	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-19

Date Collected: 06/07/22 11:54

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-33

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:31	1
Diesel Range Organics (Over C10-C28)	39.2	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	85		70 - 130				06/10/22 11:10	06/11/22 17:31	1
o-Terphenyl	87		70 - 130				06/10/22 11:10	06/11/22 17:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.1		5.00	0.858	mg/Kg			06/13/22 22:12	1

Client Sample ID: B-20

Date Collected: 06/07/22 11:57

Date Received: 06/08/22 08:17

Sample Depth: 6

Lab Sample ID: 890-2387-34

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		06/13/22 07:45	06/14/22 06:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				06/13/22 07:45	06/14/22 06:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/13/22 07:45	06/14/22 06:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.5	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:53	1
Diesel Range Organics (Over C10-C28)	28.5	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:53	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 17:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/10/22 11:10	06/11/22 17:53	1
o-Terphenyl	86		70 - 130				06/10/22 11:10	06/11/22 17:53	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-20

Date Collected: 06/07/22 11:57

Date Received: 06/08/22 08:17

Sample Depth: 6

Lab Sample ID: 890-2387-34

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	32.9		5.00	0.858	mg/Kg			06/13/22 22:21	1

Client Sample ID: B-21

Date Collected: 06/07/22 12:00

Date Received: 06/08/22 08:17

Sample Depth: 6

Lab Sample ID: 890-2387-35

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		06/13/22 07:45	06/14/22 06:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130				06/13/22 07:45	06/14/22 06:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/13/22 07:45	06/14/22 06:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	26.6	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:14	1
Diesel Range Organics (Over C10-C28)	26.6	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:14	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:14	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/10/22 11:10	06/11/22 18:14	1
o-Terphenyl	83		70 - 130				06/10/22 11:10	06/11/22 18:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.2		4.95	0.850	mg/Kg			06/13/22 22:30	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-22

Lab Sample ID: 890-2387-36

Date Collected: 06/07/22 12:04

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/13/22 07:45	06/14/22 06:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/13/22 07:45	06/14/22 06:50	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/13/22 07:45	06/14/22 06:50	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	22.7	J	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 18:36	1
Diesel Range Organics (Over C10-C28)	22.7	J B	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 18:36	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/10/22 11:10	06/11/22 18:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130	06/10/22 11:10	06/11/22 18:36	1
o-Terphenyl	85		70 - 130	06/10/22 11:10	06/11/22 18:36	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	17.5		5.01	0.860	mg/Kg	-		06/13/22 22:40	1

Client Sample ID: B-23

Lab Sample ID: 890-2387-37

Date Collected: 06/07/22 12:05

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7 - 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/13/22 07:45	06/14/22 07:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	06/13/22 07:45	06/14/22 07:10	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-23

Lab Sample ID: 890-2387-37

Date Collected: 06/07/22 12:05

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7 - 7.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	92		70 - 130	06/13/22 07:45	06/14/22 07:10	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	28.3	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:58	1
Diesel Range Organics (Over C10-C28)	28.3	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 18:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	78		70 - 130				06/10/22 11:10	06/11/22 18:58	1
o-Terphenyl	82		70 - 130				06/10/22 11:10	06/11/22 18:58	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	39.9		4.99	0.857	mg/Kg			06/13/22 22:49	1

Client Sample ID: B-24

Lab Sample ID: 890-2387-38

Date Collected: 06/07/22 12:10

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg		06/13/22 07:45	06/14/22 07:31	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		06/13/22 07:45	06/14/22 07:31	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		06/13/22 07:45	06/14/22 07:31	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		06/13/22 07:45	06/14/22 07:31	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		06/13/22 07:45	06/14/22 07:31	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		06/13/22 07:45	06/14/22 07:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/13/22 07:45	06/14/22 07:31	1
1,4-Difluorobenzene (Surr)	92		70 - 130	06/13/22 07:45	06/14/22 07:31	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	24.4	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-24

Date Collected: 06/07/22 12:10

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-38

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:20	1
Diesel Range Organics (Over C10-C28)	24.4	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:20	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:20	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	81		70 - 130				06/10/22 11:10	06/11/22 19:20	1
o-Terphenyl	85		70 - 130				06/10/22 11:10	06/11/22 19:20	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.7		4.96	0.851	mg/Kg			06/13/22 23:16	1

Client Sample ID: B-25

Date Collected: 06/07/22 12:15

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-39

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
Ethylbenzene	<0.000559	U	0.00198	0.000559	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		06/13/22 07:45	06/14/22 07:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130				06/13/22 07:45	06/14/22 07:51	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/13/22 07:45	06/14/22 07:51	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	30.3	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:42	1
Diesel Range Organics (Over C10-C28)	30.3	J B	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:42	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/10/22 11:10	06/11/22 19:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130				06/10/22 11:10	06/11/22 19:42	1
o-Terphenyl	86		70 - 130				06/10/22 11:10	06/11/22 19:42	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-25

Date Collected: 06/07/22 12:15

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-39

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.2		5.05	0.867	mg/Kg			06/13/22 23:26	1

Client Sample ID: B-26

Date Collected: 06/07/22 12:20

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Lab Sample ID: 890-2387-40

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		06/13/22 07:45	06/14/22 08:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	107		70 - 130				06/13/22 07:45	06/14/22 08:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/13/22 07:45	06/14/22 08:12	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	44.7	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 20:04	1
Diesel Range Organics (Over C10-C28)	44.7	J B	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 20:04	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 20:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	86		70 - 130				06/10/22 11:10	06/11/22 20:04	1
o-Terphenyl	89		70 - 130				06/10/22 11:10	06/11/22 20:04	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	47.9		4.99	0.857	mg/Kg			06/13/22 23:53	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-27

Lab Sample ID: 890-2387-41

Date Collected: 06/07/22 12:24

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/09/22 13:35	06/12/22 10:42	1
Toluene	<0.000453	U F1	0.00199	0.000453	mg/Kg		06/09/22 13:35	06/12/22 10:42	1
Ethylbenzene	<0.000562	U *- F1 *1	0.00199	0.000562	mg/Kg		06/09/22 13:35	06/12/22 10:42	1
m,p-Xylenes	<0.00100	U F1	0.00398	0.00100	mg/Kg		06/09/22 13:35	06/12/22 10:42	1
o-Xylene	<0.000342	U F1	0.00199	0.000342	mg/Kg		06/09/22 13:35	06/12/22 10:42	1
Xylenes, Total	<0.00100	U F1	0.00398	0.00100	mg/Kg		06/09/22 13:35	06/12/22 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	06/09/22 13:35	06/12/22 10:42	1
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/22 13:35	06/12/22 10:42	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	69.2		49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.2	J	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 13:42	1
Diesel Range Organics (Over C10-C28)	15.4	J	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 13:42	1
Oil Range Organics (Over C28-C36)	20.6	J B	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 13:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	128		70 - 130	06/09/22 15:09	06/12/22 13:42	1
o-Terphenyl	136	S1+	70 - 130	06/09/22 15:09	06/12/22 13:42	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	77.0		5.00	0.858	mg/Kg			06/14/22 12:48	1

Client Sample ID: B-28

Lab Sample ID: 890-2387-42

Date Collected: 06/07/22 12:30

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg		06/09/22 13:35	06/12/22 11:09	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		06/09/22 13:35	06/12/22 11:09	1
Ethylbenzene	<0.000564	U *- *1	0.00200	0.000564	mg/Kg		06/09/22 13:35	06/12/22 11:09	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		06/09/22 13:35	06/12/22 11:09	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		06/09/22 13:35	06/12/22 11:09	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		06/09/22 13:35	06/12/22 11:09	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-28

Lab Sample ID: 890-2387-42

Date Collected: 06/07/22 12:30

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/09/22 13:35	06/12/22 11:09	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 13:35	06/12/22 11:09	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	46.6	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	29.9	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 14:47	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 14:47	1
Oil Range Organics (Over C28-C36)	16.7	J B	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 14:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	06/09/22 15:09	06/12/22 14:47	1
o-Terphenyl	124		70 - 130	06/09/22 15:09	06/12/22 14:47	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66.1		4.95	0.850	mg/Kg			06/14/22 12:57	1

Client Sample ID: B-29

Lab Sample ID: 890-2387-43

Date Collected: 06/07/22 13:20

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		06/09/22 13:35	06/12/22 11:35	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		06/09/22 13:35	06/12/22 11:35	1
Ethylbenzene	<0.000559	U *- *1	0.00198	0.000559	mg/Kg		06/09/22 13:35	06/12/22 11:35	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 11:35	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		06/09/22 13:35	06/12/22 11:35	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 11:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	129		70 - 130	06/09/22 13:35	06/12/22 11:35	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/09/22 13:35	06/12/22 11:35	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-29

Date Collected: 06/07/22 13:20

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-43

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.5	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.5	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:09	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:09	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130				06/09/22 15:09	06/12/22 15:09	1
o-Terphenyl	91		70 - 130				06/09/22 15:09	06/12/22 15:09	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.9		4.97	0.853	mg/Kg			06/14/22 13:06	1

Client Sample ID: B-30

Date Collected: 06/07/22 13:24

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-44

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
Ethylbenzene	<0.000565	U * - *1	0.00200	0.000565	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130				06/09/22 13:35	06/12/22 12:01	1
1,4-Difluorobenzene (Surr)	104		70 - 130				06/09/22 13:35	06/12/22 12:01	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.6	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.6	J	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:31	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:31	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:31	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-30

Date Collected: 06/07/22 13:24

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-44

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	06/09/22 15:09	06/12/22 15:31	1
o-Terphenyl	109		70 - 130	06/09/22 15:09	06/12/22 15:31	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	34.5		5.04	0.865	mg/Kg			06/14/22 00:30	1

Client Sample ID: B-31

Date Collected: 06/07/22 13:29

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-45

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		06/09/22 13:35	06/12/22 12:28	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		06/09/22 13:35	06/12/22 12:28	1
Ethylbenzene	<0.000566	U *- *1	0.00200	0.000566	mg/Kg		06/09/22 13:35	06/12/22 12:28	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:28	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		06/09/22 13:35	06/12/22 12:28	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/09/22 13:35	06/12/22 12:28	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/09/22 13:35	06/12/22 12:28	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.1	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.1	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:52	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:52	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	06/09/22 15:09	06/12/22 15:52	1
o-Terphenyl	103		70 - 130	06/09/22 15:09	06/12/22 15:52	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.4		4.99	0.857	mg/Kg			06/14/22 00:39	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-32

Lab Sample ID: 890-2387-46

Date Collected: 06/07/22 13:37

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 6 - 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:35	06/12/22 12:54	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:35	06/12/22 12:54	1
Ethylbenzene	<0.000565	U * - *1	0.00200	0.000565	mg/Kg		06/09/22 13:35	06/12/22 12:54	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:54	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 13:35	06/12/22 12:54	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 12:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	122		70 - 130	06/09/22 13:35	06/12/22 12:54	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/09/22 13:35	06/12/22 12:54	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.5	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 16:14	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 16:14	1
Oil Range Organics (Over C28-C36)	18.5	J B	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	06/09/22 15:09	06/12/22 16:14	1
o-Terphenyl	104		70 - 130	06/09/22 15:09	06/12/22 16:14	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	38.9		4.98	0.855	mg/Kg			06/14/22 13:15	1

Client Sample ID: B-33

Lab Sample ID: 890-2387-47

Date Collected: 06/07/22 13:41

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/09/22 13:35	06/12/22 13:20	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		06/09/22 13:35	06/12/22 13:20	1
Ethylbenzene	<0.000563	U * - *1	0.00199	0.000563	mg/Kg		06/09/22 13:35	06/12/22 13:20	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		06/09/22 13:35	06/12/22 13:20	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		06/09/22 13:35	06/12/22 13:20	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		06/09/22 13:35	06/12/22 13:20	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-33

Lab Sample ID: 890-2387-47

Date Collected: 06/07/22 13:41

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	06/09/22 13:35	06/12/22 13:20	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/09/22 13:35	06/12/22 13:20	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	32.9	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	32.9	J	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:35	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:35	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/09/22 15:09	06/12/22 16:35	1
o-Terphenyl	114		70 - 130				06/09/22 15:09	06/12/22 16:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	90.1		25.1	4.30	mg/Kg	-		06/14/22 07:34	5

Client Sample ID: B-34

Lab Sample ID: 890-2387-48

Date Collected: 06/07/22 13:45

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 7

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1
Ethylbenzene	<0.000568	U *- *1	0.00201	0.000568	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 13:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	06/09/22 13:35	06/12/22 13:46	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 13:35	06/12/22 13:46	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.7	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-34

Date Collected: 06/07/22 13:45

Date Received: 06/08/22 08:17

Sample Depth: 7

Lab Sample ID: 890-2387-48

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	15.7	J	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:57	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 16:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/09/22 15:09	06/12/22 16:57	1
o-Terphenyl	108		70 - 130				06/09/22 15:09	06/12/22 16:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	40.5		5.00	0.858	mg/Kg	-		06/14/22 08:02	1

Client Sample ID: B-35

Date Collected: 06/07/22 13:48

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-49

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U	0.00202	0.000388	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
Ethylbenzene	<0.000570	U *- *1	0.00202	0.000570	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 14:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/09/22 13:35	06/12/22 14:13	1
1,4-Difluorobenzene (Surr)	90		70 - 130				06/09/22 13:35	06/12/22 14:13	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00403	0.00102	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.1	J	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.1	J	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 17:19	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 17:19	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 17:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				06/09/22 15:09	06/12/22 17:19	1
o-Terphenyl	109		70 - 130				06/09/22 15:09	06/12/22 17:19	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-35

Date Collected: 06/07/22 13:48

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-49

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	18.9		4.95	0.850	mg/Kg			06/14/22 08:11	1

Client Sample ID: B-36

Date Collected: 06/07/22 13:52

Date Received: 06/08/22 08:17

Sample Depth: 7.5

Lab Sample ID: 890-2387-50

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000382	U	0.00198	0.000382	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
Toluene	<0.000452	U	0.00198	0.000452	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
Ethylbenzene	<0.000561	U *- *1	0.00198	0.000561	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
m,p-Xylenes	<0.00100	U	0.00397	0.00100	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
Xylenes, Total	<0.00100	U	0.00397	0.00100	mg/Kg		06/09/22 13:35	06/12/22 14:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130				06/09/22 13:35	06/12/22 14:39	1
1,4-Difluorobenzene (Surr)	94		70 - 130				06/09/22 13:35	06/12/22 14:39	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00397	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.4	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.4	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 17:40	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 17:40	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 17:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/09/22 15:09	06/12/22 17:40	1
o-Terphenyl	106		70 - 130				06/09/22 15:09	06/12/22 17:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.7		5.00	0.858	mg/Kg			06/14/22 08:20	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: R-1

Lab Sample ID: 890-2387-51

Date Collected: 06/07/22 14:00

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1
Ethylbenzene	<0.000562	U * - *1	0.00199	0.000562	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg	-	06/09/22 13:35	06/12/22 16:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	06/09/22 13:35	06/12/22 16:26	1
1,4-Difluorobenzene (Surr)	100		70 - 130	06/09/22 13:35	06/12/22 16:26	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00398	0.00100	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.5	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.5	J	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 18:24	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 18:24	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	06/09/22 15:09	06/12/22 18:24	1
o-Terphenyl	109		70 - 130	06/09/22 15:09	06/12/22 18:24	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		25.0	4.28	mg/Kg	-		06/14/22 08:29	5

Client Sample ID: R-2

Lab Sample ID: 890-2387-52

Date Collected: 06/07/22 14:05

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U	0.00202	0.000389	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1
Toluene	<0.000461	U	0.00202	0.000461	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1
Ethylbenzene	<0.000571	U * - *1	0.00202	0.000571	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg	-	06/09/22 13:35	06/12/22 16:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	128		70 - 130	06/09/22 13:35	06/12/22 16:52	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: R-2

Date Collected: 06/07/22 14:05

Date Received: 06/08/22 08:17

Sample Depth: 0 - 8

Lab Sample ID: 890-2387-52

Matrix: Solid

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	106		70 - 130	06/09/22 13:35	06/12/22 16:52	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00404	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33.1	J	49.8	14.9	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.4	J	49.8	14.9	mg/Kg		06/09/22 15:09	06/12/22 18:46	1
Diesel Range Organics (Over C10-C28)	<14.9	U	49.8	14.9	mg/Kg		06/09/22 15:09	06/12/22 18:46	1
Oil Range Organics (Over C28-C36)	15.7	J B	49.8	14.9	mg/Kg		06/09/22 15:09	06/12/22 18:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				06/09/22 15:09	06/12/22 18:46	1
o-Terphenyl	100		70 - 130				06/09/22 15:09	06/12/22 18:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68.1		4.95	0.850	mg/Kg			06/14/22 08:57	1

Client Sample ID: B-37

Date Collected: 06/07/22 14:13

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-53

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
Ethylbenzene	<0.000566	U *- *1	0.00200	0.000566	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 17:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/09/22 13:35	06/12/22 17:18	1
1,4-Difluorobenzene (Surr)	93		70 - 130				06/09/22 13:35	06/12/22 17:18	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-37

Lab Sample ID: 890-2387-53

Date Collected: 06/07/22 14:13

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	33.0	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	33.0	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:08	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:08	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				06/09/22 15:09	06/12/22 19:08	1
o-Terphenyl	115		70 - 130				06/09/22 15:09	06/12/22 19:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	29.0		4.97	0.853	mg/Kg			06/14/22 09:06	1

Client Sample ID: B-38

Lab Sample ID: 890-2387-54

Date Collected: 06/07/22 14:16

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
Ethylbenzene	<0.000559	U * - *1	0.00198	0.000559	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130				06/09/22 13:35	06/12/22 17:44	1
1,4-Difluorobenzene (Surr)	92		70 - 130				06/09/22 13:35	06/12/22 17:44	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.3	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.3	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:30	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:30	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:30	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-38

Date Collected: 06/07/22 14:16

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-54

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	06/09/22 15:09	06/12/22 19:30	1
o-Terphenyl	117		70 - 130	06/09/22 15:09	06/12/22 19:30	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	28.6		4.96	0.851	mg/Kg			06/14/22 09:15	1

Client Sample ID: B-39

Date Collected: 06/07/22 14:18

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-55

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
Ethylbenzene	<0.000565	U * - *1	0.00200	0.000565	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 18:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	127		70 - 130				06/09/22 13:35	06/12/22 18:11	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/09/22 13:35	06/12/22 18:11	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.6	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.6	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:51	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:51	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 19:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				06/09/22 15:09	06/12/22 19:51	1
o-Terphenyl	102		70 - 130				06/09/22 15:09	06/12/22 19:51	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		5.05	0.867	mg/Kg			06/14/22 09:25	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-40

Lab Sample ID: 890-2387-56

Date Collected: 06/07/22 14:20

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1
Ethylbenzene	<0.000567	U *- *1	0.00201	0.000567	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	126		70 - 130	06/09/22 13:35	06/12/22 18:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/09/22 13:35	06/12/22 18:37	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00402	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	18.1	J	50.0	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	18.1	J	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:13	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:13	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				06/09/22 15:09	06/12/22 20:13	1
o-Terphenyl	104		70 - 130				06/09/22 15:09	06/12/22 20:13	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.7		4.98	0.855	mg/Kg	-		06/14/22 09:34	1

Client Sample ID: B-41

Lab Sample ID: 890-2387-57

Date Collected: 06/07/22 14:24

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1
Ethylbenzene	<0.000564	U *- *1	0.00200	0.000564	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	06/09/22 13:35	06/12/22 19:03	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-41

Lab Sample ID: 890-2387-57

Date Collected: 06/07/22 14:24

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	101		70 - 130	06/09/22 13:35	06/12/22 19:03	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.7	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 20:35	1
Diesel Range Organics (Over C10-C28)	16.7	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 20:35	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 20:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				06/09/22 15:09	06/12/22 20:35	1
o-Terphenyl	99		70 - 130				06/09/22 15:09	06/12/22 20:35	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.2		4.95	0.850	mg/Kg			06/14/22 09:43	1

Client Sample ID: B-42

Lab Sample ID: 890-2387-58

Date Collected: 06/07/22 14:28

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000381	U	0.00198	0.000381	mg/Kg		06/09/22 13:35	06/12/22 19:29	1
Toluene	<0.000451	U	0.00198	0.000451	mg/Kg		06/09/22 13:35	06/12/22 19:29	1
Ethylbenzene	<0.000559	U *- *1	0.00198	0.000559	mg/Kg		06/09/22 13:35	06/12/22 19:29	1
m,p-Xylenes	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 19:29	1
o-Xylene	<0.000341	U	0.00198	0.000341	mg/Kg		06/09/22 13:35	06/12/22 19:29	1
Xylenes, Total	<0.00100	U	0.00396	0.00100	mg/Kg		06/09/22 13:35	06/12/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	125		70 - 130	06/09/22 13:35	06/12/22 19:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	06/09/22 13:35	06/12/22 19:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00100	U	0.00396	0.00100	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	17.0	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-42

Date Collected: 06/07/22 14:28

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-58

Matrix: Solid

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	17.0	J	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:57	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 20:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130				06/09/22 15:09	06/12/22 20:57	1
o-Terphenyl	124		70 - 130				06/09/22 15:09	06/12/22 20:57	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.1		5.00	0.858	mg/Kg	-		06/14/22 10:11	1

Client Sample ID: B-43

Date Collected: 06/07/22 14:31

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-59

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
Ethylbenzene	<0.000565	U *- *1	0.00200	0.000565	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg	-	06/09/22 13:35	06/12/22 19:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	130		70 - 130				06/09/22 13:35	06/12/22 19:55	1
1,4-Difluorobenzene (Surr)	103		70 - 130				06/09/22 13:35	06/12/22 19:55	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	16.3	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	16.3	J	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 21:18	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 21:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 15:09	06/12/22 21:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/09/22 15:09	06/12/22 21:18	1
o-Terphenyl	113		70 - 130				06/09/22 15:09	06/12/22 21:18	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-43

Date Collected: 06/07/22 14:31

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-59

Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	27.1		4.99	0.857	mg/Kg			06/14/22 10:20	1

Client Sample ID: B-44

Date Collected: 06/07/22 14:34

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Lab Sample ID: 890-2387-60

Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U	0.00200	0.000386	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
Ethylbenzene	<0.000566	U * - *1	0.00200	0.000566	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		06/09/22 13:35	06/12/22 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				06/09/22 13:35	06/12/22 20:21	1
1,4-Difluorobenzene (Surr)	91		70 - 130				06/09/22 13:35	06/12/22 20:21	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00401	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.3	J	49.9	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.3	J	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 21:39	1
Diesel Range Organics (Over C10-C28)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 21:39	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		06/09/22 15:09	06/12/22 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				06/09/22 15:09	06/12/22 21:39	1
o-Terphenyl	109		70 - 130				06/09/22 15:09	06/12/22 21:39	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12.1		5.04	0.865	mg/Kg			06/14/22 10:48	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-45

Lab Sample ID: 890-2387-61

Date Collected: 06/07/22 14:38

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U	0.00200	0.000384	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg	-	06/09/22 17:00	06/09/22 19:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/09/22 17:00	06/09/22 19:08	1
1,4-Difluorobenzene (Surr)	97		70 - 130	06/09/22 17:00	06/09/22 19:08	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00399	0.00101	mg/Kg	-		06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	15.6	J	49.9	15.0	mg/Kg	-		06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 11:40	06/09/22 21:40	1
Diesel Range Organics (Over C10-C28)	15.6	J	49.9	15.0	mg/Kg	-	06/09/22 11:40	06/09/22 21:40	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg	-	06/09/22 11:40	06/09/22 21:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	90		70 - 130	06/09/22 11:40	06/09/22 21:40	1
o-Terphenyl	96		70 - 130	06/09/22 11:40	06/09/22 21:40	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	30.3		4.97	0.853	mg/Kg	-		06/14/22 10:57	1

Client Sample ID: B-46

Lab Sample ID: 890-2387-62

Date Collected: 06/07/22 14:42

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U	0.00201	0.000387	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1
Toluene	<0.000459	U	0.00201	0.000459	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg	-	06/09/22 17:00	06/09/22 19:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/09/22 17:00	06/09/22 19:29	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-46

Lab Sample ID: 890-2387-62

Date Collected: 06/07/22 14:42

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	96		70 - 130	06/09/22 17:00	06/09/22 19:29	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00102	U	0.00402	0.00102	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	23.0	J	50.0	15.0	mg/Kg			06/10/22 09:46	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 22:46	1
Diesel Range Organics (Over C10-C28)	23.0	J	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 22:46	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 22:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				06/09/22 11:40	06/09/22 22:46	1
o-Terphenyl	90		70 - 130				06/09/22 11:40	06/09/22 22:46	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	15.6		4.99	0.857	mg/Kg			06/14/22 11:06	1

Client Sample ID: B-47

Lab Sample ID: 890-2387-63

Date Collected: 06/07/22 14:45

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000383	U	0.00199	0.000383	mg/Kg		06/09/22 17:00	06/09/22 19:49	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		06/09/22 17:00	06/09/22 19:49	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		06/09/22 17:00	06/09/22 19:49	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		06/09/22 17:00	06/09/22 19:49	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		06/09/22 17:00	06/09/22 19:49	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		06/09/22 17:00	06/09/22 19:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130	06/09/22 17:00	06/09/22 19:49	1
1,4-Difluorobenzene (Surr)	95		70 - 130	06/09/22 17:00	06/09/22 19:49	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00398	0.00101	mg/Kg			06/10/22 10:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	51.1		50.0	15.0	mg/Kg			06/10/22 09:46	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-47

Lab Sample ID: 890-2387-63

Date Collected: 06/07/22 14:45

Matrix: Solid

Date Received: 06/08/22 08:17

Sample Depth: 8 - 9

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	20.6	J	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 23:08	1
Diesel Range Organics (Over C10-C28)	30.5	J	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 23:08	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 23:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				06/09/22 11:40	06/09/22 23:08	1
o-Terphenyl	91		70 - 130				06/09/22 11:40	06/09/22 23:08	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16.6		4.95	0.850	mg/Kg			06/14/22 11:15	1

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Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-2387-1	W-1	120	102
890-2387-1 MS	W-1	115	110
890-2387-1 MSD	W-1	113	97
890-2387-2	W-2	119	101
890-2387-3	W-3	124	94
890-2387-4	W-4	117	95
890-2387-5	W-5	123	95
890-2387-6	W-6	122	94
890-2387-7	W-7	130	96
890-2387-8	W-8	120	91
890-2387-9	W-9	126	93
890-2387-10	W-10	115	91
890-2387-11	W-11	120	92
890-2387-12	W-12	117	92
890-2387-13	W-13	127	93
890-2387-14	IW-1	122	100
890-2387-15	B-1	121	95
890-2387-16	B-2	117	94
890-2387-17	B-3	116	92
890-2387-18	B-4	114	100
890-2387-19	B-5	122	96
890-2387-20	B-6	116	101
890-2387-21	B-7	116	97
890-2387-21 MS	B-7	112	99
890-2387-21 MSD	B-7	124	100
890-2387-22	B-8	111	100
890-2387-23	B-9	103	106
890-2387-24	B-10	120	98
890-2387-25	B-11	104	90
890-2387-26	B-12	105	105
890-2387-27	B-13	107	104
890-2387-28	B-14	123	92
890-2387-29	B-15	116	94
890-2387-30	B-16	131 S1+	80
890-2387-31	B-17	137 S1+	88
890-2387-32	B-18	113	92
890-2387-33	B-19	111	93
890-2387-34	B-20	113	92
890-2387-35	B-21	108	93
890-2387-36	B-22	109	92
890-2387-37	B-23	109	92
890-2387-38	B-24	105	92
890-2387-39	B-25	106	92
890-2387-40	B-26	107	92
890-2387-41	B-27	114	101
890-2387-41 MS	B-27	117	103
890-2387-41 MSD	B-27	121	107
890-2387-42	B-28	120	100
890-2387-43	B-29	129	99

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Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

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

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2387-44	B-30	122	104
890-2387-45	B-31	119	95
890-2387-46	B-32	122	95
890-2387-47	B-33	112	103
890-2387-48	B-34	119	94
890-2387-49	B-35	120	90
890-2387-50	B-36	125	94
890-2387-51	R-1	120	100
890-2387-52	R-2	128	106
890-2387-53	B-37	120	93
890-2387-54	B-38	120	92
890-2387-55	B-39	127	103
890-2387-56	B-40	126	93
890-2387-57	B-41	117	101
890-2387-58	B-42	125	93
890-2387-59	B-43	130	103
890-2387-60	B-44	119	91
890-2387-61	B-45	105	97
890-2387-62	B-46	105	96
890-2387-63	B-47	102	95
LCS 880-27164/1-A	Lab Control Sample	111	104
LCS 880-27190/1-A	Lab Control Sample	117	105
LCS 880-27192/1-A	Lab Control Sample	120	99
LCS 880-27201/1-A	Lab Control Sample	114	105
LCS 880-27259/1-A	Lab Control Sample	103	91
LCS 880-27306/1-A	Lab Control Sample	118	97
LCS 880-27360/1-A	Lab Control Sample	107	98
LCSD 880-27164/2-A	Lab Control Sample Dup	102	103
LCSD 880-27190/2-A	Lab Control Sample Dup	0.02 S1-	0.02 S1-
LCSD 880-27192/2-A	Lab Control Sample Dup	116	97
LCSD 880-27201/2-A	Lab Control Sample Dup	0.02 S1-	0.02 S1-
LCSD 880-27259/2-A	Lab Control Sample Dup	92	106
LCSD 880-27306/2-A	Lab Control Sample Dup	101	100
LCSD 880-27360/2-A	Lab Control Sample Dup	109	99
MB 880-27164/5-A	Method Blank	100	91
MB 880-27190/5-A	Method Blank	87	94
MB 880-27192/5-A	Method Blank	94	103
MB 880-27201/5-A	Method Blank	89	94
MB 880-27259/5-A	Method Blank	98	99
MB 880-27306/5-A	Method Blank	91	102
MB 880-27360/5-A	Method Blank	103	89
MB 880-27445/5-A	Method Blank	101	90

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-2387-1	W-1	93	103
890-2387-1 MS	W-1	87	88
890-2387-1 MSD	W-1	104	102
890-2387-2	W-2	103	116
890-2387-3	W-3	98	108
890-2387-4	W-4	97	106
890-2387-5	W-5	95	104
890-2387-6	W-6	115	123
890-2387-7	W-7	104	113
890-2387-8	W-8	102	111
890-2387-9	W-9	88	94
890-2387-10	W-10	94	103
890-2387-11	W-11	105	0.03 S1-
890-2387-12	W-12	90	99
890-2387-13	W-13	98	99
890-2387-14	IW-1	104	110
890-2387-15	B-1	97	107
890-2387-16	B-2	97	109
890-2387-17	B-3	94	102
890-2387-18	B-4	100	108
890-2387-19	B-5	123	132 S1+
890-2387-20	B-6	90	98
890-2387-21	B-7	84	88
890-2387-21 MS	B-7	76	69 S1-
890-2387-21 MSD	B-7	77	70
890-2387-22	B-8	80	82
890-2387-23	B-9	81	86
890-2387-24	B-10	81	88
890-2387-25	B-11	81	86
890-2387-26	B-12	76	81
890-2387-27	B-13	84	90
890-2387-28	B-14	78	81
890-2387-29	B-15	90	90
890-2387-30	B-16	78	80
890-2387-31	B-17	76	78
890-2387-32	B-18	86	88
890-2387-33	B-19	85	87
890-2387-34	B-20	81	86
890-2387-35	B-21	78	83
890-2387-36	B-22	81	85
890-2387-37	B-23	78	82
890-2387-38	B-24	81	85
890-2387-39	B-25	83	86
890-2387-40	B-26	86	89
890-2387-41	B-27	128	136 S1+
890-2387-41 MS	B-27	98	91
890-2387-41 MSD	B-27	95	83
890-2387-42	B-28	117	124
890-2387-43	B-29	88	91
890-2387-44	B-30	105	109

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Surrogate Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2387-45	B-31	99	103
890-2387-46	B-32	103	104
890-2387-47	B-33	109	114
890-2387-48	B-34	106	108
890-2387-49	B-35	106	109
890-2387-50	B-36	102	106
890-2387-51	R-1	104	109
890-2387-52	R-2	102	100
890-2387-53	B-37	109	115
890-2387-54	B-38	112	117
890-2387-55	B-39	101	102
890-2387-56	B-40	104	104
890-2387-57	B-41	97	99
890-2387-58	B-42	119	124
890-2387-59	B-43	110	113
890-2387-60	B-44	110	109
890-2387-61	B-45	90	96
890-2387-61 MS	B-45	84	82
890-2387-61 MSD	B-45	84	82
890-2387-62	B-46	87	90
890-2387-63	B-47	89	91
LCS 880-27170/2-A	Lab Control Sample	115	119
LCS 880-27203/2-A	Lab Control Sample	98	109
LCS 880-27209/2-A	Lab Control Sample	131 S1+	125
LCS 880-27292/2-A	Lab Control Sample	98	93
LCSD 880-27170/3-A	Lab Control Sample Dup	108	112
LCSD 880-27203/3-A	Lab Control Sample Dup	98	109
LCSD 880-27209/3-A	Lab Control Sample Dup	117	111
LCSD 880-27292/3-A	Lab Control Sample Dup	100	15 S1-
MB 880-27170/1-A	Method Blank	83	89
MB 880-27203/1-A	Method Blank	95	107
MB 880-27209/1-A	Method Blank	96	103
MB 880-27292/1-A	Method Blank	76	81

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-27164/5-A

Matrix: Solid

Analysis Batch: 27136

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27164

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 10:05	06/09/22 12:16	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 10:05	06/09/22 12:16	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 10:05	06/09/22 12:16	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 10:05	06/09/22 12:16	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 10:05	06/09/22 12:16	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 10:05	06/09/22 12:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	06/09/22 10:05	06/09/22 12:16	1
1,4-Difluorobenzene (Surr)	91		70 - 130	06/09/22 10:05	06/09/22 12:16	1

Lab Sample ID: LCS 880-27164/1-A

Matrix: Solid

Analysis Batch: 27136

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27164

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1125		mg/Kg		112	70 - 130
Toluene	0.100	0.1094		mg/Kg		109	70 - 130
Ethylbenzene	0.100	0.1137		mg/Kg		114	70 - 130
m,p-Xylenes	0.200	0.2276		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1160		mg/Kg		116	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-27164/2-A

Matrix: Solid

Analysis Batch: 27136

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27164

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09839		mg/Kg		98	70 - 130	13	35
Toluene	0.100	0.09249		mg/Kg		92	70 - 130	17	35
Ethylbenzene	0.100	0.09674		mg/Kg		97	70 - 130	16	35
m,p-Xylenes	0.200	0.1944		mg/Kg		97	70 - 130	16	35
o-Xylene	0.100	0.09787		mg/Kg		98	70 - 130	17	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: MB 880-27190/5-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 12:42	06/11/22 20:52	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 12:42	06/11/22 20:52	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: MB 880-27190/5-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 12:42	06/11/22 20:52	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/11/22 20:52	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 12:42	06/11/22 20:52	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 12:42	06/11/22 20:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	87		70 - 130	06/09/22 12:42	06/11/22 20:52	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 12:42	06/11/22 20:52	1

Lab Sample ID: LCS 880-27190/1-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1181		mg/Kg		118	70 - 130
Toluene	0.100	0.1038		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1093		mg/Kg		109	70 - 130
m,p-Xylenes	0.200	0.2174		mg/Kg		109	70 - 130
o-Xylene	0.100	0.1078		mg/Kg		108	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-27190/2-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27190

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.09893		mg/Kg		99	70 - 130	18	35
Toluene	0.100	0.09515		mg/Kg		95	70 - 130	9	35
Ethylbenzene	0.100	0.1003		mg/Kg		100	70 - 130	9	35
m,p-Xylenes	0.200	0.1997		mg/Kg		100	70 - 130	8	35
o-Xylene	0.100	0.09922		mg/Kg		99	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	0.02	S1-	70 - 130
1,4-Difluorobenzene (Surr)	0.02	S1-	70 - 130

Lab Sample ID: 890-2387-1 MS

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: W-1

Prep Type: Total/NA

Prep Batch: 27190

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.100	0.1088		mg/Kg		108	70 - 130
Toluene	<0.000453	U	0.100	0.09679		mg/Kg		96	70 - 130
Ethylbenzene	<0.000562	U	0.100	0.09649		mg/Kg		96	70 - 130
m,p-Xylenes	<0.00100	U	0.201	0.1933		mg/Kg		96	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: 890-2387-1 MS

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: W-1

Prep Type: Total/NA

Prep Batch: 27190

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.000501	J	0.100	0.09605		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	110		70 - 130

Lab Sample ID: 890-2387-1 MSD

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: W-1

Prep Type: Total/NA

Prep Batch: 27190

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.000383	U	0.101	0.1087		mg/Kg		108	70 - 130	0	35
Toluene	<0.000453	U	0.101	0.1054		mg/Kg		104	70 - 130	8	35
Ethylbenzene	<0.000562	U	0.101	0.1038		mg/Kg		103	70 - 130	7	35
m,p-Xylenes	<0.00100	U	0.202	0.2066		mg/Kg		102	70 - 130	7	35
o-Xylene	0.000501	J	0.101	0.1026		mg/Kg		101	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-27192/5-A

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27192

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:00	06/11/22 20:38	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:00	06/11/22 20:38	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 13:00	06/11/22 20:38	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:00	06/11/22 20:38	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 13:00	06/11/22 20:38	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:00	06/11/22 20:38	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		70 - 130	06/09/22 13:00	06/11/22 20:38	1
1,4-Difluorobenzene (Surr)	103		70 - 130	06/09/22 13:00	06/11/22 20:38	1

Lab Sample ID: LCS 880-27192/1-A

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27192

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1017		mg/Kg		102	70 - 130
Toluene	0.100	0.1107		mg/Kg		111	70 - 130
Ethylbenzene	0.100	0.1294		mg/Kg		129	70 - 130
m,p-Xylenes	0.200	0.2642	*+	mg/Kg		132	70 - 130
o-Xylene	0.100	0.1209		mg/Kg		121	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: LCS 880-27192/1-A

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27192

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: LCSD 880-27192/2-A

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27192

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09571		mg/Kg		96	70 - 130	6	35
Toluene	0.100	0.1053		mg/Kg		105	70 - 130	5	35
Ethylbenzene	0.100	0.1240		mg/Kg		124	70 - 130	4	35
m,p-Xylenes	0.200	0.2546		mg/Kg		127	70 - 130	4	35
o-Xylene	0.100	0.1161		mg/Kg		116	70 - 130	4	35

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	116		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: 890-2387-21 MS

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: B-7

Prep Type: Total/NA

Prep Batch: 27192

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.000428	J	0.101	0.08260		mg/Kg		81	70 - 130
Toluene	<0.000453	U	0.101	0.08111		mg/Kg		80	70 - 130
Ethylbenzene	<0.000562	U	0.101	0.08113		mg/Kg		80	70 - 130
m,p-Xylenes	<0.00100	U *	0.202	0.1591		mg/Kg		79	70 - 130
o-Xylene	0.000709	J	0.101	0.07333		mg/Kg		72	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-2387-21 MSD

Matrix: Solid

Analysis Batch: 27334

Client Sample ID: B-7

Prep Type: Total/NA

Prep Batch: 27192

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.000428	J	0.101	0.08552		mg/Kg		85	70 - 130	3	35
Toluene	<0.000453	U	0.101	0.09266		mg/Kg		92	70 - 130	13	35
Ethylbenzene	<0.000562	U	0.101	0.1069		mg/Kg		106	70 - 130	27	35
m,p-Xylenes	<0.00100	U *	0.201	0.2191		mg/Kg		109	70 - 130	32	35
o-Xylene	0.000709	J	0.101	0.1000		mg/Kg		99	70 - 130	31	35

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	124		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: MB 880-27201/5-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/09/22 13:35	06/12/22 10:16	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/09/22 13:35	06/12/22 10:16	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/09/22 13:35	06/12/22 10:16	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 10:16	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/09/22 13:35	06/12/22 10:16	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/09/22 13:35	06/12/22 10:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130	06/09/22 13:35	06/12/22 10:16	1
1,4-Difluorobenzene (Surr)	94		70 - 130	06/09/22 13:35	06/12/22 10:16	1

Lab Sample ID: LCS 880-27201/1-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08975		mg/Kg		90	70 - 130
Toluene	0.100	0.09302		mg/Kg		93	70 - 130
Ethylbenzene	0.100	0.09562		mg/Kg		96	70 - 130
m,p-Xylenes	0.200	0.1882		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09476		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-27201/2-A

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1140		mg/Kg		114	70 - 130	24	35
Toluene	0.100	0.1011		mg/Kg		101	70 - 130	8	35
Ethylbenzene	0.100	0.1020		mg/Kg		102	70 - 130	6	35
m,p-Xylenes	0.200	0.1985		mg/Kg		99	70 - 130	5	35
o-Xylene	0.100	0.1032		mg/Kg		103	70 - 130	9	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	0.02	S1-	70 - 130
1,4-Difluorobenzene (Surr)	0.02	S1-	70 - 130

Lab Sample ID: 890-2387-41 MS

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.000383	U	0.100	0.08047		mg/Kg		80	70 - 130
Toluene	<0.000453	U F1	0.100	0.05781	F1	mg/Kg		58	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: 890-2387-41 MS

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.000562	U *- F1 *1	0.100	0.03952	F1	mg/Kg		39	70 - 130
m,p-Xylenes	<0.00100	U F1	0.201	0.07328	F1	mg/Kg		36	70 - 130
o-Xylene	<0.000342	U F1	0.100	0.04480	F1	mg/Kg		45	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-2387-41 MSD

Matrix: Solid

Analysis Batch: 27336

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.000383	U	0.100	0.07929		mg/Kg		79	70 - 130	1	35
Toluene	<0.000453	U F1	0.100	0.05887	F1	mg/Kg		59	70 - 130	2	35
Ethylbenzene	<0.000562	U *- F1 *1	0.100	0.04511	F1	mg/Kg		45	70 - 130	13	35
m,p-Xylenes	<0.00100	U F1	0.200	0.08886	F1	mg/Kg		44	70 - 130	19	35
o-Xylene	<0.000342	U F1	0.100	0.05138	F1	mg/Kg		51	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	121		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: MB 880-27259/5-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/10/22 09:30	06/14/22 03:26	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/10/22 09:30	06/14/22 03:26	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/10/22 09:30	06/14/22 03:26	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/10/22 09:30	06/14/22 03:26	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130	06/10/22 09:30	06/14/22 03:26	1
1,4-Difluorobenzene (Surr)	99		70 - 130	06/10/22 09:30	06/14/22 03:26	1

Lab Sample ID: LCS 880-27259/1-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.07243		mg/Kg		72	70 - 130
Toluene	0.100	0.08666		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.08391		mg/Kg		84	70 - 130
m,p-Xylenes	0.200	0.1688		mg/Kg		84	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: LCS 880-27259/1-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.09442		mg/Kg		94	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: LCSD 880-27259/2-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27259

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1076	*1	mg/Kg		108	70 - 130	39	35
Toluene	0.100	0.09612		mg/Kg		96	70 - 130	10	35
Ethylbenzene	0.100	0.08092		mg/Kg		81	70 - 130	4	35
m,p-Xylenes	0.200	0.1513		mg/Kg		76	70 - 130	11	35
o-Xylene	0.100	0.08396		mg/Kg		84	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	92		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-27306/5-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/10/22 12:47	06/13/22 16:45	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/10/22 12:47	06/13/22 16:45	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	91		70 - 130	06/10/22 12:47	06/13/22 16:45	1
1,4-Difluorobenzene (Surr)	102		70 - 130	06/10/22 12:47	06/13/22 16:45	1

Lab Sample ID: LCS 880-27306/1-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08388		mg/Kg		84	70 - 130
Toluene	0.100	0.1036		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1050		mg/Kg		105	70 - 130
m,p-Xylenes	0.200	0.2149		mg/Kg		107	70 - 130
o-Xylene	0.100	0.1181		mg/Kg		118	70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: LCS 880-27306/1-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27306

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	118		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: LCSD 880-27306/2-A

Matrix: Solid

Analysis Batch: 27440

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27306

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08586		mg/Kg		86	70 - 130	2	35
Toluene	0.100	0.09646		mg/Kg		96	70 - 130	7	35
Ethylbenzene	0.100	0.09253		mg/Kg		93	70 - 130	13	35
m,p-Xylenes	0.200	0.1839		mg/Kg		92	70 - 130	16	35
o-Xylene	0.100	0.1006		mg/Kg		101	70 - 130	16	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: MB 880-27360/5-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/13/22 07:45	06/14/22 04:46	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/13/22 07:45	06/14/22 04:46	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/13/22 07:45	06/14/22 04:46	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/13/22 07:45	06/14/22 04:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	06/13/22 07:45	06/14/22 04:46	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/13/22 07:45	06/14/22 04:46	1

Lab Sample ID: LCS 880-27360/1-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08289		mg/Kg		83	70 - 130
Toluene	0.100	0.08450		mg/Kg		84	70 - 130
Ethylbenzene	0.100	0.08928		mg/Kg		89	70 - 130
m,p-Xylenes	0.200	0.1841		mg/Kg		92	70 - 130
o-Xylene	0.100	0.09495		mg/Kg		95	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

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

Lab Sample ID: LCS 880-27360/1-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27360

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,4-Difluorobenzene (Surr)	98		70 - 130

Lab Sample ID: LCSD 880-27360/2-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08670		mg/Kg		87	70 - 130	4	35
Toluene	0.100	0.08916		mg/Kg		89	70 - 130	5	35
Ethylbenzene	0.100	0.09378		mg/Kg		94	70 - 130	5	35
m,p-Xylenes	0.200	0.1926		mg/Kg		96	70 - 130	5	35
o-Xylene	0.100	0.09955		mg/Kg		100	70 - 130	5	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: MB 880-27445/5-A

Matrix: Solid

Analysis Batch: 27442

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27445

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		06/13/22 13:48	06/13/22 18:12	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		06/13/22 13:48	06/13/22 18:12	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		06/13/22 13:48	06/13/22 18:12	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		06/13/22 13:48	06/13/22 18:12	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	06/13/22 13:48	06/13/22 18:12	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/13/22 13:48	06/13/22 18:12	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-27170/1-A

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27170

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 20:34	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 20:34	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 11:40	06/09/22 20:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	83		70 - 130	06/09/22 11:40	06/09/22 20:34	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: MB 880-27170/1-A

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27170

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	89		70 - 130	06/09/22 11:40	06/09/22 20:34	1

Lab Sample ID: LCS 880-27170/2-A

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27170

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec		
							Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	953.3		mg/Kg		95	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	917.9		mg/Kg		92	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	115		70 - 130						
o-Terphenyl	119		70 - 130						

Lab Sample ID: LCSD 880-27170/3-A

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27170

Analyte			Spike	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	RPD
			Added	Result	Qualifier			Limits	Limit		
Gasoline Range Organics (GRO)-C6-C10			1000	834.9		mg/Kg		83	70 - 130	13	20
Diesel Range Organics (Over C10-C28)			1000	832.9		mg/Kg		83	70 - 130	10	20
			</								

Lab Sample ID: 890-2387-61 MS

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: B-45

Prep Type: Total/NA

Prep Batch: 27170

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	997	877.0		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	15.6	J	997	800.5		mg/Kg		79	70 - 130		

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2387-61 MSD

Matrix: Solid

Analysis Batch: 27127

Client Sample ID: B-45

Prep Type: Total/NA

Prep Batch: 27170

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	<15.0	U	1000	947.0		mg/Kg		95	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	15.6	J	1000	808.6		mg/Kg		79	70 - 130	1	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	84		70 - 130								
o-Terphenyl	82		70 - 130								

Lab Sample ID: MB 880-27203/1-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	19.47	J	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 10:16	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 10:16	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 14:22	06/10/22 10:16	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130				06/09/22 14:22	06/10/22 10:16	1
o-Terphenyl	107		70 - 130				06/09/22 14:22	06/10/22 10:16	1

Lab Sample ID: LCS 880-27203/2-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	1000	1154		mg/Kg		115	70 - 130		
Diesel Range Organics (Over C10-C28)	1000	879.7		mg/Kg		88	70 - 130		
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
1-Chlorooctane	98		70 - 130						
o-Terphenyl	109		70 - 130						

Lab Sample ID: LCSD 880-27203/3-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1146		mg/Kg		115	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	871.6		mg/Kg		87	70 - 130	1	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 880-27203/3-A

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27203

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	109		70 - 130

Lab Sample ID: 890-2387-1 MS

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: W-1

Prep Type: Total/NA

Prep Batch: 27203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	997	961.5		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	<15.0	U	997	944.5		mg/Kg		95	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	87		70 - 130						
o-Terphenyl	88		70 - 130						

Lab Sample ID: 890-2387-1 MSD

Matrix: Solid

Analysis Batch: 27237

Client Sample ID: W-1

Prep Type: Total/NA

Prep Batch: 27203

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	<15.0	U	1000	1141		mg/Kg		114	70 - 130	17	20
Diesel Range Organics (Over C10-C28)	<15.0	U	1000	1102		mg/Kg		110	70 - 130	15	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	104		70 - 130								
o-Terphenyl	102		70 - 130								

Lab Sample ID: MB 880-27209/1-A

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27209

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 12:38	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 12:38	1
Oil Range Organics (Over C28-C36)	16.07	J	50.0	15.0	mg/Kg		06/09/22 15:09	06/12/22 12:38	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130				06/09/22 15:09	06/12/22 12:38	1
o-Terphenyl	103		70 - 130				06/09/22 15:09	06/12/22 12:38	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-27209/2-A

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27209

Analyte			Spike	LCS	LCS	Unit	D	%Rec	%Rec		
			Added	Result	Qualifier			Limits	Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1120		mg/Kg		112	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1270		mg/Kg		127	70 - 130		
			</								

Lab Sample ID: LCSD 880-27209/3-A

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27209

			Spike	LCSD	LCSD				%Rec	RPD	
Analyte			Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1287		mg/Kg		129	70 - 130	14	20
Diesel Range Organics (Over C10-C28)			1000	1207		mg/Kg		121	70 - 130	5	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits								
1-Chlorooctane	117		70 - 130								
o-Terphenyl	111		70 - 130								

Lab Sample ID: 890-2387-41 MS

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27209

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	33.2	J	997	1126		mg/Kg		110	70 - 130		
Diesel Range Organics (Over C10-C28)	15.4	J	997	940.1		mg/Kg		93	70 - 130		
Surrogate	MS %Recovery	MS Qualifier	Limits								
1-Chlorooctane	98		70 - 130								
o-Terphenyl	91		70 - 130								

Lab Sample ID: 890-2387-41 MSD

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27209

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	33.2	J	1000	988.3		mg/Kg	-	96	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	15.4	J	1000	860.6		mg/Kg		85	70 - 130	9	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	95		70 - 130								

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2387-41 MSD

Matrix: Solid

Analysis Batch: 27340

Client Sample ID: B-27

Prep Type: Total/NA

Prep Batch: 27209

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
<i>o</i> -Terphenyl	83		70 - 130

Lab Sample ID: MB 880-27292/1-A

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 27292

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Result	Qualifier								
Gasoline Range Organics (GRO)-C6-C10	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 10:55	1
Diesel Range Organics (Over C10-C28)	22.08	J	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 10:55	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		06/10/22 11:10	06/11/22 10:55	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
1-Chlorooctane	76		70 - 130				06/10/22 11:10	06/11/22 10:55	1
<i>o</i> -Terphenyl	81		70 - 130				06/10/22 11:10	06/11/22 10:55	1

Lab Sample ID: LCS 880-27292/2-A

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 27292

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
Gasoline Range Organics (GRO)-C6-C10	1000	874.7		mg/Kg		87	70 - 130	
Diesel Range Organics (Over C10-C28)	1000	1080		mg/Kg		108	70 - 130	
Surrogate	LCS	LCS	Limits					
%Recovery	Qualifier							
1-Chlorooctane	98		70 - 130					
<i>o</i> -Terphenyl	93		70 - 130					

Lab Sample ID: LCSD 880-27292/3-A

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 27292

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	853.3		mg/Kg		85	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	1000	1183		mg/Kg		118	70 - 130	9	20
Surrogate	LCSD	LCSD	Limits						
%Recovery	Qualifier								
1-Chlorooctane	100		70 - 130						
<i>o</i> -Terphenyl	15	S1-	70 - 130						

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 890-2387-21 MS

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: B-7

Prep Type: Total/NA

Prep Batch: 27292

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	15.7	J F1	997	666.8	F1	mg/Kg		65	70 - 130
Diesel Range Organics (Over C10-C28)	180	B	997	966.8		mg/Kg		79	70 - 130
Surrogate	MS %Recovery	MS Qualifier	Limits						
1-Chlorooctane	76		70 - 130						
o-Terphenyl	69	S1-	70 - 130						

Lab Sample ID: 890-2387-21 MSD

Matrix: Solid

Analysis Batch: 27330

Client Sample ID: B-7

Prep Type: Total/NA

Prep Batch: 27292

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	15.7	J F1	1000	681.4	F1	mg/Kg		67	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	180	B	1000	1010		mg/Kg		83	70 - 130	4	20
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
1-Chlorooctane	77		70 - 130								
o-Terphenyl	70		70 - 130								

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-27179/1-A

Matrix: Solid

Analysis Batch: 27395

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			06/13/22 18:57	1

Lab Sample ID: LCS 880-27179/2-A

Matrix: Solid

Analysis Batch: 27395

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	243.8		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-27179/3-A

Matrix: Solid

Analysis Batch: 27395

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	245.0		mg/Kg		98	90 - 110	0	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-27181/1-A

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			06/13/22 23:32	1

Lab Sample ID: LCS 880-27181/2-A

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	251.2		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-27181/3-A

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	249.9		mg/Kg		100	90 - 110	1	20

Lab Sample ID: 890-2387-7 MS

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: W-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	107		250	343.7		mg/Kg		95	90 - 110

Lab Sample ID: 890-2387-7 MSD

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: W-7

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	107		250	339.6		mg/Kg		93	90 - 110	1	20

Lab Sample ID: 890-2387-17 MS

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: B-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	53.3		249	287.6		mg/Kg		94	90 - 110

Lab Sample ID: 890-2387-17 MSD

Matrix: Solid

Analysis Batch: 27455

Client Sample ID: B-3

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	53.3		249	287.7		mg/Kg		94	90 - 110	0	20

Lab Sample ID: MB 880-27182/1-A

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			06/13/22 20:12	1

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-27182/2-A

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	250.4		mg/Kg		100	90 - 110

Lab Sample ID: LCSD 880-27182/3-A

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.0		mg/Kg		101	90 - 110	1	20

Lab Sample ID: 890-2387-27 MS

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: B-13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	75.8		248	320.7		mg/Kg		99	90 - 110

Lab Sample ID: 890-2387-27 MSD

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: B-13

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	75.8		248	325.9		mg/Kg		101	90 - 110	2	20

Lab Sample ID: 890-2387-37 MS

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: B-23

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	39.9		250	304.9		mg/Kg		106	90 - 110

Lab Sample ID: 890-2387-37 MSD

Matrix: Solid

Analysis Batch: 27456

Client Sample ID: B-23

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	39.9		250	303.0		mg/Kg		105	90 - 110	1	20

Lab Sample ID: MB 880-27185/1-A

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			06/14/22 07:07	1

Lab Sample ID: LCS 880-27185/2-A

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	262.3		mg/Kg		105	90 - 110

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-27185/3-A

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	256.2		mg/Kg		102	90 - 110	2	20

Lab Sample ID: 890-2387-47 MS

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: B-33

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	90.1		1250	1387		mg/Kg		104	90 - 110		

Lab Sample ID: 890-2387-47 MSD

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: B-33

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	90.1		1250	1441		mg/Kg		108	90 - 110	4	20

Lab Sample ID: 890-2387-57 MS

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: B-41

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.2		248	285.8		mg/Kg		106	90 - 110		

Lab Sample ID: 890-2387-57 MSD

Matrix: Solid

Analysis Batch: 27474

Client Sample ID: B-41

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	23.2		248	280.2		mg/Kg		104	90 - 110	2	20

Lab Sample ID: MB 880-27617/1-A

Matrix: Solid

Analysis Batch: 27620

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.858	U	5.00	0.858	mg/Kg			06/15/22 18:37	1

Lab Sample ID: LCS 880-27617/2-A

Matrix: Solid

Analysis Batch: 27620

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	252.3		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-27617/3-A

Matrix: Solid

Analysis Batch: 27620

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.1		mg/Kg		101	90 - 110	0	20

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QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-2387-12 MS

Matrix: Solid

Analysis Batch: 27620

Client Sample ID: W-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	28.3		250	276.1		mg/Kg		99	90 - 110

Lab Sample ID: 890-2387-12 MSD

Matrix: Solid

Analysis Batch: 27620

Client Sample ID: W-12

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	28.3		250	277.0		mg/Kg		99	90 - 110	0	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

GC VOA

Analysis Batch: 27136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-61	B-45	Total/NA	Solid	8021B	27164
890-2387-62	B-46	Total/NA	Solid	8021B	27164
890-2387-63	B-47	Total/NA	Solid	8021B	27164
MB 880-27164/5-A	Method Blank	Total/NA	Solid	8021B	27164
LCS 880-27164/1-A	Lab Control Sample	Total/NA	Solid	8021B	27164
LCSD 880-27164/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27164

Prep Batch: 27164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-61	B-45	Total/NA	Solid	5035	
890-2387-62	B-46	Total/NA	Solid	5035	
890-2387-63	B-47	Total/NA	Solid	5035	
MB 880-27164/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27164/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27164/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 27190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	5035	
890-2387-2	W-2	Total/NA	Solid	5035	
890-2387-3	W-3	Total/NA	Solid	5035	
890-2387-4	W-4	Total/NA	Solid	5035	
890-2387-5	W-5	Total/NA	Solid	5035	
890-2387-6	W-6	Total/NA	Solid	5035	
890-2387-7	W-7	Total/NA	Solid	5035	
890-2387-8	W-8	Total/NA	Solid	5035	
890-2387-9	W-9	Total/NA	Solid	5035	
890-2387-10	W-10	Total/NA	Solid	5035	
890-2387-11	W-11	Total/NA	Solid	5035	
890-2387-12	W-12	Total/NA	Solid	5035	
890-2387-13	W-13	Total/NA	Solid	5035	
890-2387-14	IW-1	Total/NA	Solid	5035	
890-2387-15	B-1	Total/NA	Solid	5035	
890-2387-16	B-2	Total/NA	Solid	5035	
890-2387-17	B-3	Total/NA	Solid	5035	
890-2387-18	B-4	Total/NA	Solid	5035	
890-2387-19	B-5	Total/NA	Solid	5035	
890-2387-20	B-6	Total/NA	Solid	5035	
MB 880-27190/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27190/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27190/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2387-1 MS	W-1	Total/NA	Solid	5035	
890-2387-1 MSD	W-1	Total/NA	Solid	5035	

Prep Batch: 27192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-21	B-7	Total/NA	Solid	5035	
890-2387-22	B-8	Total/NA	Solid	5035	
890-2387-23	B-9	Total/NA	Solid	5035	
890-2387-24	B-10	Total/NA	Solid	5035	
890-2387-25	B-11	Total/NA	Solid	5035	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC VOA (Continued)

Prep Batch: 27192 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-26	B-12	Total/NA	Solid	5035	
890-2387-27	B-13	Total/NA	Solid	5035	
890-2387-28	B-14	Total/NA	Solid	5035	
890-2387-29	B-15	Total/NA	Solid	5035	
890-2387-30	B-16	Total/NA	Solid	5035	
MB 880-27192/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27192/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27192/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2387-21 MS	B-7	Total/NA	Solid	5035	
890-2387-21 MSD	B-7	Total/NA	Solid	5035	

Prep Batch: 27201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-41	B-27	Total/NA	Solid	5035	
890-2387-42	B-28	Total/NA	Solid	5035	
890-2387-43	B-29	Total/NA	Solid	5035	
890-2387-44	B-30	Total/NA	Solid	5035	
890-2387-45	B-31	Total/NA	Solid	5035	
890-2387-46	B-32	Total/NA	Solid	5035	
890-2387-47	B-33	Total/NA	Solid	5035	
890-2387-48	B-34	Total/NA	Solid	5035	
890-2387-49	B-35	Total/NA	Solid	5035	
890-2387-50	B-36	Total/NA	Solid	5035	
890-2387-51	R-1	Total/NA	Solid	5035	
890-2387-52	R-2	Total/NA	Solid	5035	
890-2387-53	B-37	Total/NA	Solid	5035	
890-2387-54	B-38	Total/NA	Solid	5035	
890-2387-55	B-39	Total/NA	Solid	5035	
890-2387-56	B-40	Total/NA	Solid	5035	
890-2387-57	B-41	Total/NA	Solid	5035	
890-2387-58	B-42	Total/NA	Solid	5035	
890-2387-59	B-43	Total/NA	Solid	5035	
890-2387-60	B-44	Total/NA	Solid	5035	
MB 880-27201/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27201/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27201/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2387-41 MS	B-27	Total/NA	Solid	5035	
890-2387-41 MSD	B-27	Total/NA	Solid	5035	

Prep Batch: 27259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-31	B-17	Total/NA	Solid	5035	
MB 880-27259/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 27291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	Total BTEX	
890-2387-2	W-2	Total/NA	Solid	Total BTEX	
890-2387-3	W-3	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 27291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-4	W-4	Total/NA	Solid	Total BTEX	
890-2387-5	W-5	Total/NA	Solid	Total BTEX	
890-2387-6	W-6	Total/NA	Solid	Total BTEX	
890-2387-7	W-7	Total/NA	Solid	Total BTEX	
890-2387-8	W-8	Total/NA	Solid	Total BTEX	
890-2387-9	W-9	Total/NA	Solid	Total BTEX	
890-2387-10	W-10	Total/NA	Solid	Total BTEX	
890-2387-11	W-11	Total/NA	Solid	Total BTEX	
890-2387-12	W-12	Total/NA	Solid	Total BTEX	
890-2387-13	W-13	Total/NA	Solid	Total BTEX	
890-2387-14	IW-1	Total/NA	Solid	Total BTEX	
890-2387-15	B-1	Total/NA	Solid	Total BTEX	
890-2387-16	B-2	Total/NA	Solid	Total BTEX	
890-2387-17	B-3	Total/NA	Solid	Total BTEX	
890-2387-18	B-4	Total/NA	Solid	Total BTEX	
890-2387-19	B-5	Total/NA	Solid	Total BTEX	
890-2387-20	B-6	Total/NA	Solid	Total BTEX	
890-2387-21	B-7	Total/NA	Solid	Total BTEX	
890-2387-22	B-8	Total/NA	Solid	Total BTEX	
890-2387-23	B-9	Total/NA	Solid	Total BTEX	
890-2387-24	B-10	Total/NA	Solid	Total BTEX	
890-2387-25	B-11	Total/NA	Solid	Total BTEX	
890-2387-26	B-12	Total/NA	Solid	Total BTEX	
890-2387-27	B-13	Total/NA	Solid	Total BTEX	
890-2387-28	B-14	Total/NA	Solid	Total BTEX	
890-2387-29	B-15	Total/NA	Solid	Total BTEX	
890-2387-30	B-16	Total/NA	Solid	Total BTEX	
890-2387-31	B-17	Total/NA	Solid	Total BTEX	
890-2387-32	B-18	Total/NA	Solid	Total BTEX	
890-2387-33	B-19	Total/NA	Solid	Total BTEX	
890-2387-34	B-20	Total/NA	Solid	Total BTEX	
890-2387-35	B-21	Total/NA	Solid	Total BTEX	
890-2387-36	B-22	Total/NA	Solid	Total BTEX	
890-2387-37	B-23	Total/NA	Solid	Total BTEX	
890-2387-38	B-24	Total/NA	Solid	Total BTEX	
890-2387-39	B-25	Total/NA	Solid	Total BTEX	
890-2387-40	B-26	Total/NA	Solid	Total BTEX	
890-2387-41	B-27	Total/NA	Solid	Total BTEX	
890-2387-42	B-28	Total/NA	Solid	Total BTEX	
890-2387-43	B-29	Total/NA	Solid	Total BTEX	
890-2387-44	B-30	Total/NA	Solid	Total BTEX	
890-2387-45	B-31	Total/NA	Solid	Total BTEX	
890-2387-46	B-32	Total/NA	Solid	Total BTEX	
890-2387-47	B-33	Total/NA	Solid	Total BTEX	
890-2387-48	B-34	Total/NA	Solid	Total BTEX	
890-2387-49	B-35	Total/NA	Solid	Total BTEX	
890-2387-50	B-36	Total/NA	Solid	Total BTEX	
890-2387-51	R-1	Total/NA	Solid	Total BTEX	
890-2387-52	R-2	Total/NA	Solid	Total BTEX	
890-2387-53	B-37	Total/NA	Solid	Total BTEX	
890-2387-54	B-38	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC VOA (Continued)

Analysis Batch: 27291 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-55	B-39	Total/NA	Solid	Total BTEX	
890-2387-56	B-40	Total/NA	Solid	Total BTEX	
890-2387-57	B-41	Total/NA	Solid	Total BTEX	
890-2387-58	B-42	Total/NA	Solid	Total BTEX	
890-2387-59	B-43	Total/NA	Solid	Total BTEX	
890-2387-60	B-44	Total/NA	Solid	Total BTEX	
890-2387-61	B-45	Total/NA	Solid	Total BTEX	
890-2387-62	B-46	Total/NA	Solid	Total BTEX	
890-2387-63	B-47	Total/NA	Solid	Total BTEX	

Prep Batch: 27306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27306/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 27334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-21	B-7	Total/NA	Solid	8021B	27192
890-2387-22	B-8	Total/NA	Solid	8021B	27192
890-2387-23	B-9	Total/NA	Solid	8021B	27192
890-2387-24	B-10	Total/NA	Solid	8021B	27192
890-2387-25	B-11	Total/NA	Solid	8021B	27192
890-2387-26	B-12	Total/NA	Solid	8021B	27192
890-2387-27	B-13	Total/NA	Solid	8021B	27192
890-2387-28	B-14	Total/NA	Solid	8021B	27192
890-2387-29	B-15	Total/NA	Solid	8021B	27192
890-2387-30	B-16	Total/NA	Solid	8021B	27192
MB 880-27192/5-A	Method Blank	Total/NA	Solid	8021B	27192
LCS 880-27192/1-A	Lab Control Sample	Total/NA	Solid	8021B	27192
LCSD 880-27192/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27192
890-2387-21 MS	B-7	Total/NA	Solid	8021B	27192
890-2387-21 MSD	B-7	Total/NA	Solid	8021B	27192

Analysis Batch: 27336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	8021B	27190
890-2387-2	W-2	Total/NA	Solid	8021B	27190
890-2387-3	W-3	Total/NA	Solid	8021B	27190
890-2387-4	W-4	Total/NA	Solid	8021B	27190
890-2387-5	W-5	Total/NA	Solid	8021B	27190
890-2387-6	W-6	Total/NA	Solid	8021B	27190
890-2387-7	W-7	Total/NA	Solid	8021B	27190
890-2387-8	W-8	Total/NA	Solid	8021B	27190
890-2387-9	W-9	Total/NA	Solid	8021B	27190
890-2387-10	W-10	Total/NA	Solid	8021B	27190
890-2387-11	W-11	Total/NA	Solid	8021B	27190
890-2387-12	W-12	Total/NA	Solid	8021B	27190
890-2387-13	W-13	Total/NA	Solid	8021B	27190
890-2387-14	IW-1	Total/NA	Solid	8021B	27190
890-2387-15	B-1	Total/NA	Solid	8021B	27190

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC VOA (Continued)

Analysis Batch: 27336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-16	B-2	Total/NA	Solid	8021B	27190
890-2387-17	B-3	Total/NA	Solid	8021B	27190
890-2387-18	B-4	Total/NA	Solid	8021B	27190
890-2387-19	B-5	Total/NA	Solid	8021B	27190
890-2387-20	B-6	Total/NA	Solid	8021B	27190
890-2387-41	B-27	Total/NA	Solid	8021B	27201
890-2387-42	B-28	Total/NA	Solid	8021B	27201
890-2387-43	B-29	Total/NA	Solid	8021B	27201
890-2387-44	B-30	Total/NA	Solid	8021B	27201
890-2387-45	B-31	Total/NA	Solid	8021B	27201
890-2387-46	B-32	Total/NA	Solid	8021B	27201
890-2387-47	B-33	Total/NA	Solid	8021B	27201
890-2387-48	B-34	Total/NA	Solid	8021B	27201
890-2387-49	B-35	Total/NA	Solid	8021B	27201
890-2387-50	B-36	Total/NA	Solid	8021B	27201
890-2387-51	R-1	Total/NA	Solid	8021B	27201
890-2387-52	R-2	Total/NA	Solid	8021B	27201
890-2387-53	B-37	Total/NA	Solid	8021B	27201
890-2387-54	B-38	Total/NA	Solid	8021B	27201
890-2387-55	B-39	Total/NA	Solid	8021B	27201
890-2387-56	B-40	Total/NA	Solid	8021B	27201
890-2387-57	B-41	Total/NA	Solid	8021B	27201
890-2387-58	B-42	Total/NA	Solid	8021B	27201
890-2387-59	B-43	Total/NA	Solid	8021B	27201
890-2387-60	B-44	Total/NA	Solid	8021B	27201
MB 880-27190/5-A	Method Blank	Total/NA	Solid	8021B	27190
MB 880-27201/5-A	Method Blank	Total/NA	Solid	8021B	27201
LCS 880-27190/1-A	Lab Control Sample	Total/NA	Solid	8021B	27190
LCS 880-27201/1-A	Lab Control Sample	Total/NA	Solid	8021B	27201
LCSD 880-27190/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27190
LCSD 880-27201/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27201
890-2387-1 MS	W-1	Total/NA	Solid	8021B	27190
890-2387-1 MSD	W-1	Total/NA	Solid	8021B	27190
890-2387-41 MS	B-27	Total/NA	Solid	8021B	27201
890-2387-41 MSD	B-27	Total/NA	Solid	8021B	27201

Prep Batch: 27360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-32	B-18	Total/NA	Solid	5035	
890-2387-33	B-19	Total/NA	Solid	5035	
890-2387-34	B-20	Total/NA	Solid	5035	
890-2387-35	B-21	Total/NA	Solid	5035	
890-2387-36	B-22	Total/NA	Solid	5035	
890-2387-37	B-23	Total/NA	Solid	5035	
890-2387-38	B-24	Total/NA	Solid	5035	
890-2387-39	B-25	Total/NA	Solid	5035	
890-2387-40	B-26	Total/NA	Solid	5035	
MB 880-27360/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-27360/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-27360/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC VOA

Analysis Batch: 27440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-31	B-17	Total/NA	Solid	8021B	27259
MB 880-27259/5-A	Method Blank	Total/NA	Solid	8021B	27259
MB 880-27306/5-A	Method Blank	Total/NA	Solid	8021B	27306
LCS 880-27259/1-A	Lab Control Sample	Total/NA	Solid	8021B	27259
LCS 880-27306/1-A	Lab Control Sample	Total/NA	Solid	8021B	27306
LCSD 880-27259/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27259
LCSD 880-27306/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27306

Analysis Batch: 27442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-32	B-18	Total/NA	Solid	8021B	27360
890-2387-33	B-19	Total/NA	Solid	8021B	27360
890-2387-34	B-20	Total/NA	Solid	8021B	27360
890-2387-35	B-21	Total/NA	Solid	8021B	27360
890-2387-36	B-22	Total/NA	Solid	8021B	27360
890-2387-37	B-23	Total/NA	Solid	8021B	27360
890-2387-38	B-24	Total/NA	Solid	8021B	27360
890-2387-39	B-25	Total/NA	Solid	8021B	27360
890-2387-40	B-26	Total/NA	Solid	8021B	27360
MB 880-27360/5-A	Method Blank	Total/NA	Solid	8021B	27360
MB 880-27445/5-A	Method Blank	Total/NA	Solid	8021B	27445
LCS 880-27360/1-A	Lab Control Sample	Total/NA	Solid	8021B	27360
LCSD 880-27360/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	27360

Prep Batch: 27445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-27445/5-A	Method Blank	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 27127

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-61	B-45	Total/NA	Solid	8015B NM	27170
890-2387-62	B-46	Total/NA	Solid	8015B NM	27170
890-2387-63	B-47	Total/NA	Solid	8015B NM	27170
MB 880-27170/1-A	Method Blank	Total/NA	Solid	8015B NM	27170
LCS 880-27170/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27170
LCSD 880-27170/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27170
890-2387-61 MS	B-45	Total/NA	Solid	8015B NM	27170
890-2387-61 MSD	B-45	Total/NA	Solid	8015B NM	27170

Prep Batch: 27170

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-61	B-45	Total/NA	Solid	8015NM Prep	
890-2387-62	B-46	Total/NA	Solid	8015NM Prep	
890-2387-63	B-47	Total/NA	Solid	8015NM Prep	
MB 880-27170/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27170/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27170/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2387-61 MS	B-45	Total/NA	Solid	8015NM Prep	
890-2387-61 MSD	B-45	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC Semi VOA

Prep Batch: 27203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	8015NM Prep	
890-2387-2	W-2	Total/NA	Solid	8015NM Prep	
890-2387-3	W-3	Total/NA	Solid	8015NM Prep	
890-2387-4	W-4	Total/NA	Solid	8015NM Prep	
890-2387-5	W-5	Total/NA	Solid	8015NM Prep	
890-2387-6	W-6	Total/NA	Solid	8015NM Prep	
890-2387-7	W-7	Total/NA	Solid	8015NM Prep	
890-2387-8	W-8	Total/NA	Solid	8015NM Prep	
890-2387-9	W-9	Total/NA	Solid	8015NM Prep	
890-2387-10	W-10	Total/NA	Solid	8015NM Prep	
890-2387-11	W-11	Total/NA	Solid	8015NM Prep	
890-2387-12	W-12	Total/NA	Solid	8015NM Prep	
890-2387-13	W-13	Total/NA	Solid	8015NM Prep	
890-2387-14	IW-1	Total/NA	Solid	8015NM Prep	
890-2387-15	B-1	Total/NA	Solid	8015NM Prep	
890-2387-16	B-2	Total/NA	Solid	8015NM Prep	
890-2387-17	B-3	Total/NA	Solid	8015NM Prep	
890-2387-18	B-4	Total/NA	Solid	8015NM Prep	
890-2387-19	B-5	Total/NA	Solid	8015NM Prep	
890-2387-20	B-6	Total/NA	Solid	8015NM Prep	
MB 880-27203/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27203/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27203/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2387-1 MS	W-1	Total/NA	Solid	8015NM Prep	
890-2387-1 MSD	W-1	Total/NA	Solid	8015NM Prep	

Prep Batch: 27209

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-41	B-27	Total/NA	Solid	8015NM Prep	
890-2387-42	B-28	Total/NA	Solid	8015NM Prep	
890-2387-43	B-29	Total/NA	Solid	8015NM Prep	
890-2387-44	B-30	Total/NA	Solid	8015NM Prep	
890-2387-45	B-31	Total/NA	Solid	8015NM Prep	
890-2387-46	B-32	Total/NA	Solid	8015NM Prep	
890-2387-47	B-33	Total/NA	Solid	8015NM Prep	
890-2387-48	B-34	Total/NA	Solid	8015NM Prep	
890-2387-49	B-35	Total/NA	Solid	8015NM Prep	
890-2387-50	B-36	Total/NA	Solid	8015NM Prep	
890-2387-51	R-1	Total/NA	Solid	8015NM Prep	
890-2387-52	R-2	Total/NA	Solid	8015NM Prep	
890-2387-53	B-37	Total/NA	Solid	8015NM Prep	
890-2387-54	B-38	Total/NA	Solid	8015NM Prep	
890-2387-55	B-39	Total/NA	Solid	8015NM Prep	
890-2387-56	B-40	Total/NA	Solid	8015NM Prep	
890-2387-57	B-41	Total/NA	Solid	8015NM Prep	
890-2387-58	B-42	Total/NA	Solid	8015NM Prep	
890-2387-59	B-43	Total/NA	Solid	8015NM Prep	
890-2387-60	B-44	Total/NA	Solid	8015NM Prep	
MB 880-27209/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27209/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27209/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC Semi VOA (Continued)

Prep Batch: 27209 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-41 MS	B-27	Total/NA	Solid	8015NM Prep	
890-2387-41 MSD	B-27	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	8015B NM	27203
890-2387-2	W-2	Total/NA	Solid	8015B NM	27203
890-2387-3	W-3	Total/NA	Solid	8015B NM	27203
890-2387-4	W-4	Total/NA	Solid	8015B NM	27203
890-2387-5	W-5	Total/NA	Solid	8015B NM	27203
890-2387-6	W-6	Total/NA	Solid	8015B NM	27203
890-2387-7	W-7	Total/NA	Solid	8015B NM	27203
890-2387-8	W-8	Total/NA	Solid	8015B NM	27203
890-2387-9	W-9	Total/NA	Solid	8015B NM	27203
890-2387-10	W-10	Total/NA	Solid	8015B NM	27203
890-2387-11	W-11	Total/NA	Solid	8015B NM	27203
890-2387-12	W-12	Total/NA	Solid	8015B NM	27203
890-2387-13	W-13	Total/NA	Solid	8015B NM	27203
890-2387-14	IW-1	Total/NA	Solid	8015B NM	27203
890-2387-15	B-1	Total/NA	Solid	8015B NM	27203
890-2387-16	B-2	Total/NA	Solid	8015B NM	27203
890-2387-17	B-3	Total/NA	Solid	8015B NM	27203
890-2387-18	B-4	Total/NA	Solid	8015B NM	27203
890-2387-19	B-5	Total/NA	Solid	8015B NM	27203
890-2387-20	B-6	Total/NA	Solid	8015B NM	27203
MB 880-27203/1-A	Method Blank	Total/NA	Solid	8015B NM	27203
LCS 880-27203/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27203
LCSD 880-27203/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27203
890-2387-1 MS	W-1	Total/NA	Solid	8015B NM	27203
890-2387-1 MSD	W-1	Total/NA	Solid	8015B NM	27203

Analysis Batch: 27261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Total/NA	Solid	8015 NM	
890-2387-2	W-2	Total/NA	Solid	8015 NM	
890-2387-3	W-3	Total/NA	Solid	8015 NM	
890-2387-4	W-4	Total/NA	Solid	8015 NM	
890-2387-5	W-5	Total/NA	Solid	8015 NM	
890-2387-6	W-6	Total/NA	Solid	8015 NM	
890-2387-7	W-7	Total/NA	Solid	8015 NM	
890-2387-8	W-8	Total/NA	Solid	8015 NM	
890-2387-9	W-9	Total/NA	Solid	8015 NM	
890-2387-10	W-10	Total/NA	Solid	8015 NM	
890-2387-11	W-11	Total/NA	Solid	8015 NM	
890-2387-12	W-12	Total/NA	Solid	8015 NM	
890-2387-13	W-13	Total/NA	Solid	8015 NM	
890-2387-14	IW-1	Total/NA	Solid	8015 NM	
890-2387-15	B-1	Total/NA	Solid	8015 NM	
890-2387-16	B-2	Total/NA	Solid	8015 NM	
890-2387-17	B-3	Total/NA	Solid	8015 NM	
890-2387-18	B-4	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 27261 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-19	B-5	Total/NA	Solid	8015 NM	
890-2387-20	B-6	Total/NA	Solid	8015 NM	
890-2387-21	B-7	Total/NA	Solid	8015 NM	
890-2387-22	B-8	Total/NA	Solid	8015 NM	
890-2387-23	B-9	Total/NA	Solid	8015 NM	
890-2387-24	B-10	Total/NA	Solid	8015 NM	
890-2387-25	B-11	Total/NA	Solid	8015 NM	
890-2387-26	B-12	Total/NA	Solid	8015 NM	
890-2387-27	B-13	Total/NA	Solid	8015 NM	
890-2387-28	B-14	Total/NA	Solid	8015 NM	
890-2387-29	B-15	Total/NA	Solid	8015 NM	
890-2387-30	B-16	Total/NA	Solid	8015 NM	
890-2387-31	B-17	Total/NA	Solid	8015 NM	
890-2387-32	B-18	Total/NA	Solid	8015 NM	
890-2387-33	B-19	Total/NA	Solid	8015 NM	
890-2387-34	B-20	Total/NA	Solid	8015 NM	
890-2387-35	B-21	Total/NA	Solid	8015 NM	
890-2387-36	B-22	Total/NA	Solid	8015 NM	
890-2387-37	B-23	Total/NA	Solid	8015 NM	
890-2387-38	B-24	Total/NA	Solid	8015 NM	
890-2387-39	B-25	Total/NA	Solid	8015 NM	
890-2387-40	B-26	Total/NA	Solid	8015 NM	
890-2387-41	B-27	Total/NA	Solid	8015 NM	
890-2387-42	B-28	Total/NA	Solid	8015 NM	
890-2387-43	B-29	Total/NA	Solid	8015 NM	
890-2387-44	B-30	Total/NA	Solid	8015 NM	
890-2387-45	B-31	Total/NA	Solid	8015 NM	
890-2387-46	B-32	Total/NA	Solid	8015 NM	
890-2387-47	B-33	Total/NA	Solid	8015 NM	
890-2387-48	B-34	Total/NA	Solid	8015 NM	
890-2387-49	B-35	Total/NA	Solid	8015 NM	
890-2387-50	B-36	Total/NA	Solid	8015 NM	
890-2387-51	R-1	Total/NA	Solid	8015 NM	
890-2387-52	R-2	Total/NA	Solid	8015 NM	
890-2387-53	B-37	Total/NA	Solid	8015 NM	
890-2387-54	B-38	Total/NA	Solid	8015 NM	
890-2387-55	B-39	Total/NA	Solid	8015 NM	
890-2387-56	B-40	Total/NA	Solid	8015 NM	
890-2387-57	B-41	Total/NA	Solid	8015 NM	
890-2387-58	B-42	Total/NA	Solid	8015 NM	
890-2387-59	B-43	Total/NA	Solid	8015 NM	
890-2387-60	B-44	Total/NA	Solid	8015 NM	
890-2387-61	B-45	Total/NA	Solid	8015 NM	
890-2387-62	B-46	Total/NA	Solid	8015 NM	
890-2387-63	B-47	Total/NA	Solid	8015 NM	

Prep Batch: 27292

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-21	B-7	Total/NA	Solid	8015NM Prep	
890-2387-22	B-8	Total/NA	Solid	8015NM Prep	
890-2387-23	B-9	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

GC Semi VOA (Continued)

Prep Batch: 27292 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-24	B-10	Total/NA	Solid	8015NM Prep	
890-2387-25	B-11	Total/NA	Solid	8015NM Prep	
890-2387-26	B-12	Total/NA	Solid	8015NM Prep	
890-2387-27	B-13	Total/NA	Solid	8015NM Prep	
890-2387-28	B-14	Total/NA	Solid	8015NM Prep	
890-2387-29	B-15	Total/NA	Solid	8015NM Prep	
890-2387-30	B-16	Total/NA	Solid	8015NM Prep	
890-2387-31	B-17	Total/NA	Solid	8015NM Prep	
890-2387-32	B-18	Total/NA	Solid	8015NM Prep	
890-2387-33	B-19	Total/NA	Solid	8015NM Prep	
890-2387-34	B-20	Total/NA	Solid	8015NM Prep	
890-2387-35	B-21	Total/NA	Solid	8015NM Prep	
890-2387-36	B-22	Total/NA	Solid	8015NM Prep	
890-2387-37	B-23	Total/NA	Solid	8015NM Prep	
890-2387-38	B-24	Total/NA	Solid	8015NM Prep	
890-2387-39	B-25	Total/NA	Solid	8015NM Prep	
890-2387-40	B-26	Total/NA	Solid	8015NM Prep	
MB 880-27292/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-27292/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-27292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2387-21 MS	B-7	Total/NA	Solid	8015NM Prep	
890-2387-21 MSD	B-7	Total/NA	Solid	8015NM Prep	

Analysis Batch: 27330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-21	B-7	Total/NA	Solid	8015B NM	27292
890-2387-22	B-8	Total/NA	Solid	8015B NM	27292
890-2387-23	B-9	Total/NA	Solid	8015B NM	27292
890-2387-24	B-10	Total/NA	Solid	8015B NM	27292
890-2387-25	B-11	Total/NA	Solid	8015B NM	27292
890-2387-26	B-12	Total/NA	Solid	8015B NM	27292
890-2387-27	B-13	Total/NA	Solid	8015B NM	27292
890-2387-28	B-14	Total/NA	Solid	8015B NM	27292
890-2387-29	B-15	Total/NA	Solid	8015B NM	27292
890-2387-30	B-16	Total/NA	Solid	8015B NM	27292
890-2387-31	B-17	Total/NA	Solid	8015B NM	27292
890-2387-32	B-18	Total/NA	Solid	8015B NM	27292
890-2387-33	B-19	Total/NA	Solid	8015B NM	27292
890-2387-34	B-20	Total/NA	Solid	8015B NM	27292
890-2387-35	B-21	Total/NA	Solid	8015B NM	27292
890-2387-36	B-22	Total/NA	Solid	8015B NM	27292
890-2387-37	B-23	Total/NA	Solid	8015B NM	27292
890-2387-38	B-24	Total/NA	Solid	8015B NM	27292
890-2387-39	B-25	Total/NA	Solid	8015B NM	27292
890-2387-40	B-26	Total/NA	Solid	8015B NM	27292
MB 880-27292/1-A	Method Blank	Total/NA	Solid	8015B NM	27292
LCS 880-27292/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27292
LCSD 880-27292/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27292
890-2387-21 MS	B-7	Total/NA	Solid	8015B NM	27292
890-2387-21 MSD	B-7	Total/NA	Solid	8015B NM	27292

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

GC Semi VOA

Analysis Batch: 27340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-41	B-27	Total/NA	Solid	8015B NM	27209
890-2387-42	B-28	Total/NA	Solid	8015B NM	27209
890-2387-43	B-29	Total/NA	Solid	8015B NM	27209
890-2387-44	B-30	Total/NA	Solid	8015B NM	27209
890-2387-45	B-31	Total/NA	Solid	8015B NM	27209
890-2387-46	B-32	Total/NA	Solid	8015B NM	27209
890-2387-47	B-33	Total/NA	Solid	8015B NM	27209
890-2387-48	B-34	Total/NA	Solid	8015B NM	27209
890-2387-49	B-35	Total/NA	Solid	8015B NM	27209
890-2387-50	B-36	Total/NA	Solid	8015B NM	27209
890-2387-51	R-1	Total/NA	Solid	8015B NM	27209
890-2387-52	R-2	Total/NA	Solid	8015B NM	27209
890-2387-53	B-37	Total/NA	Solid	8015B NM	27209
890-2387-54	B-38	Total/NA	Solid	8015B NM	27209
890-2387-55	B-39	Total/NA	Solid	8015B NM	27209
890-2387-56	B-40	Total/NA	Solid	8015B NM	27209
890-2387-57	B-41	Total/NA	Solid	8015B NM	27209
890-2387-58	B-42	Total/NA	Solid	8015B NM	27209
890-2387-59	B-43	Total/NA	Solid	8015B NM	27209
890-2387-60	B-44	Total/NA	Solid	8015B NM	27209
MB 880-27209/1-A	Method Blank	Total/NA	Solid	8015B NM	27209
LCS 880-27209/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	27209
LCSD 880-27209/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	27209
890-2387-41 MS	B-27	Total/NA	Solid	8015B NM	27209
890-2387-41 MSD	B-27	Total/NA	Solid	8015B NM	27209

HPLC/IC

Leach Batch: 27179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Soluble	Solid	DI Leach	
890-2387-2	W-2	Soluble	Solid	DI Leach	
890-2387-3	W-3	Soluble	Solid	DI Leach	
890-2387-4	W-4	Soluble	Solid	DI Leach	
890-2387-5	W-5	Soluble	Solid	DI Leach	
890-2387-6	W-6	Soluble	Solid	DI Leach	
MB 880-27179/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27179/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27179/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Leach Batch: 27181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-7	W-7	Soluble	Solid	DI Leach	
890-2387-8	W-8	Soluble	Solid	DI Leach	
890-2387-9	W-9	Soluble	Solid	DI Leach	
890-2387-10	W-10	Soluble	Solid	DI Leach	
890-2387-11	W-11	Soluble	Solid	DI Leach	
890-2387-13	W-13	Soluble	Solid	DI Leach	
890-2387-14	IW-1	Soluble	Solid	DI Leach	
890-2387-15	B-1	Soluble	Solid	DI Leach	
890-2387-16	B-2	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

HPLC/IC (Continued)

Leach Batch: 27181 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-17	B-3	Soluble	Solid	DI Leach	
890-2387-18	B-4	Soluble	Solid	DI Leach	
890-2387-19	B-5	Soluble	Solid	DI Leach	
MB 880-27181/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27181/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27181/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2387-7 MS	W-7	Soluble	Solid	DI Leach	
890-2387-7 MSD	W-7	Soluble	Solid	DI Leach	
890-2387-17 MS	B-3	Soluble	Solid	DI Leach	
890-2387-17 MSD	B-3	Soluble	Solid	DI Leach	

Leach Batch: 27182

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-27	B-13	Soluble	Solid	DI Leach	
890-2387-28	B-14	Soluble	Solid	DI Leach	
890-2387-29	B-15	Soluble	Solid	DI Leach	
890-2387-30	B-16	Soluble	Solid	DI Leach	
890-2387-31	B-17	Soluble	Solid	DI Leach	
890-2387-32	B-18	Soluble	Solid	DI Leach	
890-2387-33	B-19	Soluble	Solid	DI Leach	
890-2387-34	B-20	Soluble	Solid	DI Leach	
890-2387-35	B-21	Soluble	Solid	DI Leach	
890-2387-36	B-22	Soluble	Solid	DI Leach	
890-2387-37	B-23	Soluble	Solid	DI Leach	
890-2387-38	B-24	Soluble	Solid	DI Leach	
890-2387-39	B-25	Soluble	Solid	DI Leach	
890-2387-40	B-26	Soluble	Solid	DI Leach	
890-2387-41	B-27	Soluble	Solid	DI Leach	
890-2387-42	B-28	Soluble	Solid	DI Leach	
890-2387-43	B-29	Soluble	Solid	DI Leach	
890-2387-44	B-30	Soluble	Solid	DI Leach	
890-2387-45	B-31	Soluble	Solid	DI Leach	
890-2387-46	B-32	Soluble	Solid	DI Leach	
MB 880-27182/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27182/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27182/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2387-27 MS	B-13	Soluble	Solid	DI Leach	
890-2387-27 MSD	B-13	Soluble	Solid	DI Leach	
890-2387-37 MS	B-23	Soluble	Solid	DI Leach	
890-2387-37 MSD	B-23	Soluble	Solid	DI Leach	

Leach Batch: 27185

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-47	B-33	Soluble	Solid	DI Leach	
890-2387-48	B-34	Soluble	Solid	DI Leach	
890-2387-49	B-35	Soluble	Solid	DI Leach	
890-2387-50	B-36	Soluble	Solid	DI Leach	
890-2387-51	R-1	Soluble	Solid	DI Leach	
890-2387-52	R-2	Soluble	Solid	DI Leach	
890-2387-53	B-37	Soluble	Solid	DI Leach	
890-2387-54	B-38	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

HPLC/IC (Continued)

Leach Batch: 27185 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-55	B-39	Soluble	Solid	DI Leach	
890-2387-56	B-40	Soluble	Solid	DI Leach	
890-2387-57	B-41	Soluble	Solid	DI Leach	
890-2387-58	B-42	Soluble	Solid	DI Leach	
890-2387-59	B-43	Soluble	Solid	DI Leach	
890-2387-60	B-44	Soluble	Solid	DI Leach	
890-2387-61	B-45	Soluble	Solid	DI Leach	
890-2387-62	B-46	Soluble	Solid	DI Leach	
890-2387-63	B-47	Soluble	Solid	DI Leach	
MB 880-27185/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27185/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27185/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2387-47 MS	B-33	Soluble	Solid	DI Leach	
890-2387-47 MSD	B-33	Soluble	Solid	DI Leach	
890-2387-57 MS	B-41	Soluble	Solid	DI Leach	
890-2387-57 MSD	B-41	Soluble	Solid	DI Leach	

Analysis Batch: 27395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-1	W-1	Soluble	Solid	300.0	27179
890-2387-2	W-2	Soluble	Solid	300.0	27179
890-2387-3	W-3	Soluble	Solid	300.0	27179
890-2387-4	W-4	Soluble	Solid	300.0	27179
890-2387-5	W-5	Soluble	Solid	300.0	27179
890-2387-6	W-6	Soluble	Solid	300.0	27179
MB 880-27179/1-A	Method Blank	Soluble	Solid	300.0	27179
LCS 880-27179/2-A	Lab Control Sample	Soluble	Solid	300.0	27179
LCSD 880-27179/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27179

Analysis Batch: 27455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-7	W-7	Soluble	Solid	300.0	27181
890-2387-8	W-8	Soluble	Solid	300.0	27181
890-2387-9	W-9	Soluble	Solid	300.0	27181
890-2387-10	W-10	Soluble	Solid	300.0	27181
890-2387-11	W-11	Soluble	Solid	300.0	27181
890-2387-13	W-13	Soluble	Solid	300.0	27181
890-2387-14	IW-1	Soluble	Solid	300.0	27181
890-2387-15	B-1	Soluble	Solid	300.0	27181
890-2387-16	B-2	Soluble	Solid	300.0	27181
890-2387-17	B-3	Soluble	Solid	300.0	27181
890-2387-18	B-4	Soluble	Solid	300.0	27181
890-2387-19	B-5	Soluble	Solid	300.0	27181
MB 880-27181/1-A	Method Blank	Soluble	Solid	300.0	27181
LCS 880-27181/2-A	Lab Control Sample	Soluble	Solid	300.0	27181
LCSD 880-27181/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27181
890-2387-7 MS	W-7	Soluble	Solid	300.0	27181
890-2387-7 MSD	W-7	Soluble	Solid	300.0	27181
890-2387-17 MS	B-3	Soluble	Solid	300.0	27181
890-2387-17 MSD	B-3	Soluble	Solid	300.0	27181

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QC Association Summary

Client: Ranger Environmental Services, Inc
 Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
 SDG: 5198

HPLC/IC

Analysis Batch: 27456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-27	B-13	Soluble	Solid	300.0	27182
890-2387-28	B-14	Soluble	Solid	300.0	27182
890-2387-29	B-15	Soluble	Solid	300.0	27182
890-2387-30	B-16	Soluble	Solid	300.0	27182
890-2387-31	B-17	Soluble	Solid	300.0	27182
890-2387-32	B-18	Soluble	Solid	300.0	27182
890-2387-33	B-19	Soluble	Solid	300.0	27182
890-2387-34	B-20	Soluble	Solid	300.0	27182
890-2387-35	B-21	Soluble	Solid	300.0	27182
890-2387-36	B-22	Soluble	Solid	300.0	27182
890-2387-37	B-23	Soluble	Solid	300.0	27182
890-2387-38	B-24	Soluble	Solid	300.0	27182
890-2387-39	B-25	Soluble	Solid	300.0	27182
890-2387-40	B-26	Soluble	Solid	300.0	27182
890-2387-41	B-27	Soluble	Solid	300.0	27182
890-2387-42	B-28	Soluble	Solid	300.0	27182
890-2387-43	B-29	Soluble	Solid	300.0	27182
890-2387-44	B-30	Soluble	Solid	300.0	27182
890-2387-45	B-31	Soluble	Solid	300.0	27182
890-2387-46	B-32	Soluble	Solid	300.0	27182
MB 880-27182/1-A	Method Blank	Soluble	Solid	300.0	27182
LCS 880-27182/2-A	Lab Control Sample	Soluble	Solid	300.0	27182
LCSD 880-27182/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27182
890-2387-27 MS	B-13	Soluble	Solid	300.0	27182
890-2387-27 MSD	B-13	Soluble	Solid	300.0	27182
890-2387-37 MS	B-23	Soluble	Solid	300.0	27182
890-2387-37 MSD	B-23	Soluble	Solid	300.0	27182

Analysis Batch: 27474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-47	B-33	Soluble	Solid	300.0	27185
890-2387-48	B-34	Soluble	Solid	300.0	27185
890-2387-49	B-35	Soluble	Solid	300.0	27185
890-2387-50	B-36	Soluble	Solid	300.0	27185
890-2387-51	R-1	Soluble	Solid	300.0	27185
890-2387-52	R-2	Soluble	Solid	300.0	27185
890-2387-53	B-37	Soluble	Solid	300.0	27185
890-2387-54	B-38	Soluble	Solid	300.0	27185
890-2387-55	B-39	Soluble	Solid	300.0	27185
890-2387-56	B-40	Soluble	Solid	300.0	27185
890-2387-57	B-41	Soluble	Solid	300.0	27185
890-2387-58	B-42	Soluble	Solid	300.0	27185
890-2387-59	B-43	Soluble	Solid	300.0	27185
890-2387-60	B-44	Soluble	Solid	300.0	27185
890-2387-61	B-45	Soluble	Solid	300.0	27185
890-2387-62	B-46	Soluble	Solid	300.0	27185
890-2387-63	B-47	Soluble	Solid	300.0	27185
MB 880-27185/1-A	Method Blank	Soluble	Solid	300.0	27185
LCS 880-27185/2-A	Lab Control Sample	Soluble	Solid	300.0	27185
LCSD 880-27185/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27185
890-2387-47 MS	B-33	Soluble	Solid	300.0	27185

Eurofins Carlsbad

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 27474 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-47 MSD	B-33	Soluble	Solid	300.0	27185
890-2387-57 MS	B-41	Soluble	Solid	300.0	27185
890-2387-57 MSD	B-41	Soluble	Solid	300.0	27185

Leach Batch: 27617

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-12	W-12	Soluble	Solid	DI Leach	
890-2387-20	B-6	Soluble	Solid	DI Leach	
890-2387-21	B-7	Soluble	Solid	DI Leach	
890-2387-22	B-8	Soluble	Solid	DI Leach	
890-2387-23	B-9	Soluble	Solid	DI Leach	
890-2387-24	B-10	Soluble	Solid	DI Leach	
890-2387-25	B-11	Soluble	Solid	DI Leach	
890-2387-26	B-12	Soluble	Solid	DI Leach	
MB 880-27617/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-27617/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-27617/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2387-12 MS	W-12	Soluble	Solid	DI Leach	
890-2387-12 MSD	W-12	Soluble	Solid	DI Leach	

Analysis Batch: 27620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2387-12	W-12	Soluble	Solid	300.0	27617
890-2387-20	B-6	Soluble	Solid	300.0	27617
890-2387-21	B-7	Soluble	Solid	300.0	27617
890-2387-22	B-8	Soluble	Solid	300.0	27617
890-2387-23	B-9	Soluble	Solid	300.0	27617
890-2387-24	B-10	Soluble	Solid	300.0	27617
890-2387-25	B-11	Soluble	Solid	300.0	27617
890-2387-26	B-12	Soluble	Solid	300.0	27617
MB 880-27617/1-A	Method Blank	Soluble	Solid	300.0	27617
LCS 880-27617/2-A	Lab Control Sample	Soluble	Solid	300.0	27617
LCSD 880-27617/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	27617
890-2387-12 MS	W-12	Soluble	Solid	300.0	27617
890-2387-12 MSD	W-12	Soluble	Solid	300.0	27617

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-1

Date Collected: 06/07/22 08:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 21:19	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 11:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			27395	06/13/22 22:13	CH	XEN MID

Client Sample ID: W-2

Date Collected: 06/07/22 08:27

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 21:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 12:27	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			27395	06/14/22 11:47	CH	XEN MID

Client Sample ID: W-3

Date Collected: 06/07/22 08:32

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 22:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 12:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			27395	06/14/22 11:55	CH	XEN MID

Client Sample ID: W-4

Date Collected: 06/07/22 08:37

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 22:38	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-4

Date Collected: 06/07/22 08:37

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 13:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			27395	06/13/22 22:37	CH	XEN MID

Client Sample ID: W-5

Date Collected: 06/07/22 08:40

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-5

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 23:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 13:32	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		5			27395	06/13/22 22:45	CH	XEN MID

Client Sample ID: W-6

Date Collected: 06/07/22 08:42

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 23:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 13:54	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27179	06/09/22 12:12	CH	XEN MID
Soluble	Analysis	300.0		1			27395	06/13/22 22:53	CH	XEN MID

Client Sample ID: W-7

Date Collected: 06/07/22 08:44

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/11/22 23:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 14:16	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-7

Date Collected: 06/07/22 08:44

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 13:45	CH	XEN MID

Client Sample ID: W-8

Date Collected: 06/07/22 08:46

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 00:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 14:37	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 14:08	CH	XEN MID

Client Sample ID: W-9

Date Collected: 06/07/22 08:47

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 00:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 14:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 14:16	CH	XEN MID

Client Sample ID: W-10

Date Collected: 06/07/22 08:50

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-10

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 01:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 15:21	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 14:24	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: W-11

Date Collected: 06/07/22 08:55

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-11

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 02:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 16:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 14:32	CH	XEN MID

Client Sample ID: W-12

Date Collected: 06/07/22 09:00

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-12

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 03:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 16:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 19:05	CH	XEN MID

Client Sample ID: W-13

Date Collected: 06/07/22 09:04

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-13

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 03:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 16:48	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		5			27455	06/14/22 15:03	CH	XEN MID

Client Sample ID: IW-1

Date Collected: 06/07/22 09:07

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 04:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: IW-1

Date Collected: 06/07/22 09:07

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-14

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 17:10	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 15:11	CH	XEN MID

Client Sample ID: B-1

Date Collected: 06/07/22 10:34

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-15

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 04:34	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 17:32	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 15:19	CH	XEN MID

Client Sample ID: B-2

Date Collected: 06/07/22 10:38

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-16

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 05:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 17:54	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 15:27	CH	XEN MID

Client Sample ID: B-3

Date Collected: 06/07/22 10:41

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 05:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 18:15	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-3

Date Collected: 06/07/22 10:41

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-17

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 15:35	CH	XEN MID

Client Sample ID: B-4

Date Collected: 06/07/22 10:44

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-18

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 05:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 18:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 15:58	CH	XEN MID

Client Sample ID: B-5

Date Collected: 06/07/22 10:47

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-19

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 06:16	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 18:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27181	06/09/22 12:19	CH	XEN MID
Soluble	Analysis	300.0		1			27455	06/14/22 16:06	CH	XEN MID

Client Sample ID: B-6

Date Collected: 06/07/22 10:50

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-20

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27190	06/09/22 12:42	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 06:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27203	06/09/22 14:22	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27237	06/10/22 19:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 19:32	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-7

Date Collected: 06/07/22 10:52

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-21

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 21:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 12:00	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 19:42	CH	XEN MID

Client Sample ID: B-8

Date Collected: 06/07/22 10:57

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-22

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 21:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 13:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 19:51	CH	XEN MID

Client Sample ID: B-9

Date Collected: 06/07/22 11:00

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-23

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 21:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 13:27	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 20:00	CH	XEN MID

Client Sample ID: B-10

Date Collected: 06/07/22 11:05

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 22:02	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-10

Date Collected: 06/07/22 11:05

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-24

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 13:49	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 20:28	CH	XEN MID

Client Sample ID: B-11

Date Collected: 06/07/22 11:07

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-25

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 22:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 14:11	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/15/22 20:37	CH	XEN MID

Client Sample ID: B-12

Date Collected: 06/07/22 11:10

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-26

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 22:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 14:33	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27617	06/15/22 13:13	CH	XEN MID
Soluble	Analysis	300.0		1			27620	06/16/22 11:49	CH	XEN MID

Client Sample ID: B-13

Date Collected: 06/07/22 11:13

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 23:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 14:56	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-13

Date Collected: 06/07/22 11:13

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-27

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 20:40	CH	XEN MID

Client Sample ID: B-14

Date Collected: 06/07/22 11:15

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-28

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 23:25	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 15:18	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 12:29	CH	XEN MID

Client Sample ID: B-15

Date Collected: 06/07/22 11:38

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-29

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/11/22 23:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 15:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 21:17	CH	XEN MID

Client Sample ID: B-16

Date Collected: 06/07/22 11:41

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-30

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27192	06/09/22 13:00	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27334	06/12/22 00:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 16:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 21:26	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-17

Date Collected: 06/07/22 11:45

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-31

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27259	06/10/22 12:19	EL	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	27440	06/14/22 10:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 16:46	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 21:35	CH	XEN MID

Client Sample ID: B-18

Date Collected: 06/07/22 11:50

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-32

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 05:28	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 17:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 12:38	CH	XEN MID

Client Sample ID: B-19

Date Collected: 06/07/22 11:54

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-33

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 05:48	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 17:31	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 22:12	CH	XEN MID

Client Sample ID: B-20

Date Collected: 06/07/22 11:57

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 06:09	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-20

Date Collected: 06/07/22 11:57

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-34

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 17:53	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 22:21	CH	XEN MID

Client Sample ID: B-21

Date Collected: 06/07/22 12:00

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-35

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 06:29	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 18:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 22:30	CH	XEN MID

Client Sample ID: B-22

Date Collected: 06/07/22 12:04

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-36

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 06:50	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 18:36	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 22:40	CH	XEN MID

Client Sample ID: B-23

Date Collected: 06/07/22 12:05

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 07:10	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 18:58	AJ	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-23

Date Collected: 06/07/22 12:05

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-37

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 22:49	CH	XEN MID

Client Sample ID: B-24

Date Collected: 06/07/22 12:10

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-38

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 07:31	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 19:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 23:16	CH	XEN MID

Client Sample ID: B-25

Date Collected: 06/07/22 12:15

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-39

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 07:51	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 19:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 23:26	CH	XEN MID

Client Sample ID: B-26

Date Collected: 06/07/22 12:20

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-40

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27360	06/13/22 07:45	EL	XEN MID
Total/NA	Analysis	8021B		1	5 g	5 mL	27442	06/14/22 08:12	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27292	06/10/22 11:10	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27330	06/11/22 20:04	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/13/22 23:53	CH	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-27

Date Collected: 06/07/22 12:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-41

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 10:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 13:42	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 12:48	CH	XEN MID

Client Sample ID: B-28

Date Collected: 06/07/22 12:30

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-42

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 11:09	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 14:47	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 12:57	CH	XEN MID

Client Sample ID: B-29

Date Collected: 06/07/22 13:20

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-43

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 11:35	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 15:09	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 13:06	CH	XEN MID

Client Sample ID: B-30

Date Collected: 06/07/22 13:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 12:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-30

Date Collected: 06/07/22 13:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-44

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 15:31	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 00:30	CH	XEN MID

Client Sample ID: B-31

Date Collected: 06/07/22 13:29

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-45

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 12:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 15:52	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 00:39	CH	XEN MID

Client Sample ID: B-32

Date Collected: 06/07/22 13:37

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-46

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 12:54	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 16:14	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27182	06/09/22 12:22	CH	XEN MID
Soluble	Analysis	300.0		1			27456	06/14/22 13:15	CH	XEN MID

Client Sample ID: B-33

Date Collected: 06/07/22 13:41

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 13:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 16:35	AJ	XEN MID

Eurofins Carlsbad

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-33

Date Collected: 06/07/22 13:41

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-47

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		5			27474	06/14/22 07:34	CH	XEN MID

Client Sample ID: B-34

Date Collected: 06/07/22 13:45

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-48

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 13:46	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 16:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 08:02	CH	XEN MID

Client Sample ID: B-35

Date Collected: 06/07/22 13:48

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-49

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 14:13	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 17:19	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 08:11	CH	XEN MID

Client Sample ID: B-36

Date Collected: 06/07/22 13:52

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-50

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 14:39	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 17:40	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 08:20	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: R-1

Lab Sample ID: 890-2387-51

Date Collected: 06/07/22 14:00

Matrix: Solid

Date Received: 06/08/22 08:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 16:26	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 18:24	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		5			27474	06/14/22 08:29	CH	XEN MID

Client Sample ID: R-2

Lab Sample ID: 890-2387-52

Date Collected: 06/07/22 14:05

Matrix: Solid

Date Received: 06/08/22 08:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 16:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 18:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 08:57	CH	XEN MID

Client Sample ID: B-37

Lab Sample ID: 890-2387-53

Date Collected: 06/07/22 14:13

Matrix: Solid

Date Received: 06/08/22 08:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 17:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 19:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 09:06	CH	XEN MID

Client Sample ID: B-38

Lab Sample ID: 890-2387-54

Date Collected: 06/07/22 14:16

Matrix: Solid

Date Received: 06/08/22 08:17

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 17:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-38

Date Collected: 06/07/22 14:16

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-54

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 19:30	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 09:15	CH	XEN MID

Client Sample ID: B-39

Date Collected: 06/07/22 14:18

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-55

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 18:11	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 19:51	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 09:25	CH	XEN MID

Client Sample ID: B-40

Date Collected: 06/07/22 14:20

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-56

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 18:37	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 20:13	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 09:34	CH	XEN MID

Client Sample ID: B-41

Date Collected: 06/07/22 14:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 19:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 20:35	AJ	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-41

Date Collected: 06/07/22 14:24

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-57

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 09:43	CH	XEN MID

Client Sample ID: B-42

Date Collected: 06/07/22 14:28

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-58

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 19:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 20:57	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 10:11	CH	XEN MID

Client Sample ID: B-43

Date Collected: 06/07/22 14:31

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-59

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 19:55	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 21:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 10:20	CH	XEN MID

Client Sample ID: B-44

Date Collected: 06/07/22 14:34

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-60

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	27201	06/09/22 13:35	EL	XEN MID
Total/NA	Analysis	8021B		1			27336	06/12/22 20:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	27209	06/09/22 15:09	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27340	06/12/22 21:39	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 10:48	CH	XEN MID

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Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Client Sample ID: B-45

Date Collected: 06/07/22 14:38

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-61

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	27164	06/09/22 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1			27136	06/09/22 19:08	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	27170	06/09/22 11:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27127	06/09/22 21:40	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 10:57	CH	XEN MID

Client Sample ID: B-46

Date Collected: 06/07/22 14:42

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-62

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	27164	06/09/22 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1			27136	06/09/22 19:29	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	27170	06/09/22 11:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27127	06/09/22 22:46	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 11:06	CH	XEN MID

Client Sample ID: B-47

Date Collected: 06/07/22 14:45

Date Received: 06/08/22 08:17

Lab Sample ID: 890-2387-63

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	27164	06/09/22 17:00	MR	XEN MID
Total/NA	Analysis	8021B		1			27136	06/09/22 19:49	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			27291	06/10/22 10:44	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			27261	06/10/22 09:46	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	27170	06/09/22 11:40	DM	XEN MID
Total/NA	Analysis	8015B NM		1			27127	06/09/22 23:08	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	27185	06/09/22 12:25	CH	XEN MID
Soluble	Analysis	300.0		1			27474	06/14/22 11:15	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Eurofins Carlsbad

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-21-22	06-30-22
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
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2387-1	W-1	Solid	06/07/22 08:24	06/08/22 08:17	0 - 7
890-2387-2	W-2	Solid	06/07/22 08:27	06/08/22 08:17	0 - 7
890-2387-3	W-3	Solid	06/07/22 08:32	06/08/22 08:17	0 - 7.5
890-2387-4	W-4	Solid	06/07/22 08:37	06/08/22 08:17	0 - 7.5
890-2387-5	W-5	Solid	06/07/22 08:40	06/08/22 08:17	0 - 8
890-2387-6	W-6	Solid	06/07/22 08:42	06/08/22 08:17	0 - 8
890-2387-7	W-7	Solid	06/07/22 08:44	06/08/22 08:17	0 - 8
890-2387-8	W-8	Solid	06/07/22 08:46	06/08/22 08:17	0 - 8
890-2387-9	W-9	Solid	06/07/22 08:47	06/08/22 08:17	0 - 8
890-2387-10	W-10	Solid	06/07/22 08:50	06/08/22 08:17	0 - 8
890-2387-11	W-11	Solid	06/07/22 08:55	06/08/22 08:17	0 - 6
890-2387-12	W-12	Solid	06/07/22 09:00	06/08/22 08:17	0 - 6
890-2387-13	W-13	Solid	06/07/22 09:04	06/08/22 08:17	0 - 6
890-2387-14	IW-1	Solid	06/07/22 09:07	06/08/22 08:17	7 - 9
890-2387-15	B-1	Solid	06/07/22 10:34	06/08/22 08:17	5 - 7
890-2387-16	B-2	Solid	06/07/22 10:38	06/08/22 08:17	5 - 7
890-2387-17	B-3	Solid	06/07/22 10:41	06/08/22 08:17	5 - 7
890-2387-18	B-4	Solid	06/07/22 10:44	06/08/22 08:17	7 - 7
890-2387-19	B-5	Solid	06/07/22 10:47	06/08/22 08:17	6 - 7
890-2387-20	B-6	Solid	06/07/22 10:50	06/08/22 08:17	6 - 7
890-2387-21	B-7	Solid	06/07/22 10:52	06/08/22 08:17	7
890-2387-22	B-8	Solid	06/07/22 10:57	06/08/22 08:17	6
890-2387-23	B-9	Solid	06/07/22 11:00	06/08/22 08:17	7
890-2387-24	B-10	Solid	06/07/22 11:05	06/08/22 08:17	7
890-2387-25	B-11	Solid	06/07/22 11:07	06/08/22 08:17	7.5
890-2387-26	B-12	Solid	06/07/22 11:10	06/08/22 08:17	7.5
890-2387-27	B-13	Solid	06/07/22 11:13	06/08/22 08:17	7.5
890-2387-28	B-14	Solid	06/07/22 11:15	06/08/22 08:17	6 - 7
890-2387-29	B-15	Solid	06/07/22 11:38	06/08/22 08:17	6 - 7
890-2387-30	B-16	Solid	06/07/22 11:41	06/08/22 08:17	7
890-2387-31	B-17	Solid	06/07/22 11:45	06/08/22 08:17	7
890-2387-32	B-18	Solid	06/07/22 11:50	06/08/22 08:17	7.5
890-2387-33	B-19	Solid	06/07/22 11:54	06/08/22 08:17	7.5
890-2387-34	B-20	Solid	06/07/22 11:57	06/08/22 08:17	6
890-2387-35	B-21	Solid	06/07/22 12:00	06/08/22 08:17	6
890-2387-36	B-22	Solid	06/07/22 12:04	06/08/22 08:17	7
890-2387-37	B-23	Solid	06/07/22 12:05	06/08/22 08:17	7 - 7.5
890-2387-38	B-24	Solid	06/07/22 12:10	06/08/22 08:17	7
890-2387-39	B-25	Solid	06/07/22 12:15	06/08/22 08:17	6 - 7
890-2387-40	B-26	Solid	06/07/22 12:20	06/08/22 08:17	6 - 7
890-2387-41	B-27	Solid	06/07/22 12:24	06/08/22 08:17	7
890-2387-42	B-28	Solid	06/07/22 12:30	06/08/22 08:17	7
890-2387-43	B-29	Solid	06/07/22 13:20	06/08/22 08:17	7.5
890-2387-44	B-30	Solid	06/07/22 13:24	06/08/22 08:17	7.5
890-2387-45	B-31	Solid	06/07/22 13:29	06/08/22 08:17	7.5
890-2387-46	B-32	Solid	06/07/22 13:37	06/08/22 08:17	6 - 7
890-2387-47	B-33	Solid	06/07/22 13:41	06/08/22 08:17	7
890-2387-48	B-34	Solid	06/07/22 13:45	06/08/22 08:17	7
890-2387-49	B-35	Solid	06/07/22 13:48	06/08/22 08:17	7.5
890-2387-50	B-36	Solid	06/07/22 13:52	06/08/22 08:17	7.5
890-2387-51	R-1	Solid	06/07/22 14:00	06/08/22 08:17	0 - 8
890-2387-52	R-2	Solid	06/07/22 14:05	06/08/22 08:17	0 - 8
890-2387-53	B-37	Solid	06/07/22 14:13	06/08/22 08:17	8 - 9
890-2387-54	B-38	Solid	06/07/22 14:16	06/08/22 08:17	8 - 9
890-2387-55	B-39	Solid	06/07/22 14:18	06/08/22 08:17	8 - 9

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 Fed Com 505 & 506

Job ID: 890-2387-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2387-56	B-40	Solid	06/07/22 14:20	06/08/22 08:17	8 - 9
890-2387-57	B-41	Solid	06/07/22 14:24	06/08/22 08:17	8 - 9
890-2387-58	B-42	Solid	06/07/22 14:28	06/08/22 08:17	8 - 9
890-2387-59	B-43	Solid	06/07/22 14:31	06/08/22 08:17	8 - 9
890-2387-60	B-44	Solid	06/07/22 14:34	06/08/22 08:17	8 - 9
890-2387-61	B-45	Solid	06/07/22 14:38	06/08/22 08:17	8 - 9
890-2387-62	B-46	Solid	06/07/22 14:42	06/08/22 08:17	8 - 9
890-2387-63	B-47	Solid	06/07/22 14:45	06/08/22 08:17	8 - 9



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Environment Testing
Xenco

Chain of Custody

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El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Work Order Comments													
Program:		UST/PST	☐	PRP	☐	Brownfields	☐	RRC	☐	Superfund	☐		
State of Project:													
Reporting:		Level I	☐	Level II	☐	Level III	☐	PST/UST	☐	TRRP	☐	Level IV	☐
Deliverables:		EDD	☐	ADaPT	☐	Other:							

Project Manager:	WILL WEAVER	Bill To: (if different)	MR KELVIN BLACK
Company Name:	RANGER ENV	Company Name:	ESSEXVILLE INC. - MZLAND
Address:	PO BOX 80117	Address:	5109 CAMPBELL DRIVE
City, State ZIP:	AUSTIN TX 78730	City, State ZIP:	MZLAND TX
	512.389.7373	Email:	WILL@RANGEREV.COM

Project Name:		RESOLVE 10 FEB 00 50859F		Turn Around		Pres. Code		ANALYSIS REQUEST		Preservative Codes	
Project Number:		508		☒ Routine ☐ Rush						None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Project Location:		LOCAL LCA CO. NM		Due Date:							
Sampler's Name:		W. WICKERMAN / J. MARTINEZ		TAT starts the day received by the lab, if received by 4:30pm							
PO #:											
SAMPLE RECEIPT				Temp Blank: Yes No		Wet Ice: Yes No					
Samples Received Intact:		Yes No		Thermometer ID: NM-007							
Cooler Custody Seals:		Yes No		Correction Factor: -0.2							
Sample Custody Seals:		Yes No		Temperature Readings: 1.4							
Total Containers:				Corrected Temperature: 1.0							
Sample Identification		Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont				
W-1	502L	5/7/22	0824	0-7'	Comp	1					
W-2			0827	0-7'							
W-3			0832	0-7.5'							
W-4			0837	1							
W-5			0840	0-8'							
W-6			0842								
W-7			0844								
W-8			0846								
W-9			0847								
W-10			0850								

[illegible]

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		6-8-2008			

החברת "מגדל" תממן את כל הוצאות המחקר.



Environment Testing Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902 0300
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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: _____

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Project Manager:		Bill to: (if different)	
Company Name:		Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	

Project Name:		Turn Around	
P Project Number:		☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
P.O. #:			

SAMPLE RECEIPT				Temp Blank:		Yes No		Thermometer ID:		Yes No		Corrected Temperature:		Yes No		Wet Ice:		Yes No	
Samples Received Intact:				Yes No		Yes No		Thermometer ID:		Yes No		Corrected Temperature:		Yes No		Wet Ice:		Yes No	
Cooler Custody Seals:				Yes No		Yes No		Thermometer ID:		Yes No		Corrected Temperature:		Yes No		Wet Ice:		Yes No	
Sample Custody Seals:				Yes No		Yes No		Thermometer ID:		Yes No		Corrected Temperature:		Yes No		Wet Ice:		Yes No	
Total Containers:				Yes No		Yes No		Thermometer ID:		Yes No		Corrected Temperature:		Yes No		Wet Ice:		Yes No	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes	Sample Comments
W-11	SOIL	6/7/22	0855	0-6	UMP	1				None: NO	
W-1A			0900							Cool: Cool	
W-13			0904							HCL: HC	
TW-1			0907	7-9'						H ₂ SO ₄ : H ₂	
B-1			1034	6-7'						H ₃ PO ₄ : HP	
B-2			1038							NaHSO ₄ : NABIS	
B-3			1041							Na ₂ S ₂ O ₃ : NaSO ₃	
B-4			1044	7'						Zn Acetate+NaOH: Zn	
B-5			1047	6-7'						NaOH+Ascorbic Acid: SACP	
B-6			1050								

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1.			2.		
3.			4.		
5.			6.		

Revised Date: 08/25/2020 Rev. 2002



Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco

Work Order No:

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of

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Project Manager: _____
Company Name: _____
Address: _____
City, State ZIP: _____
Phone: _____

Bill to: (if different)
Company Name: _____
Address: _____
City, State ZIP: _____
Email: _____

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: _____
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name: Reservoir 12 FLD 01M 501514
Project Number: _____
Project Location: _____
Sampler's Name: _____
PO #: _____

Turn Around
☒ Routine ☐ Rush
Due Date: _____
TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No
Thermometer: Yes No
Cooler Custody Seals: Yes No N/A
Sample Custody Seals: Yes No N/A
Total Containers: _____

ANALYSIS REQUEST				Preservative Codes	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp
B-7	SOIL	6/7/22	1052'	7'	Comp
B-8			1057	5-7'	
B-9			1100	7'	
B-10			1105	7'	
B-11			1107	7.5'	
B-12			1110	7.5'	
B-13			1113	7.5'	
B-14			1115	5-7'	
B-15			1138	5-7'	
B-16			1141	7'	

Total 200.7/6010 200.8/6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP/SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. <u>[Signature]</u>	<u>[Signature]</u>	2			
3. <u>[Signature]</u>		4			
5. <u>[Signature]</u>		6			

Revised Date 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



Work Order No: _____

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Project Manager: _____
Company Name: _____
Address: _____
City, State ZIP: _____
Phone: _____

Bill to: (if different)
Company Name: _____
Address: _____
City, State ZIP: _____
Email: _____

Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project: _____
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADAPT ☐ Other: _____

Project Name: _____
Project Number: _____
Project Location: _____
Sampler's Name: _____
PO #: _____

Turn Around
☒ Routine ☐ Rush
Due Date: _____
TAT starts the day received by the lab, if received by 4:30pm

Temp Blank: Yes No
Thermometer ID: _____
Correction Factor: _____
Temperature Reading: _____
Corrected Temperature: _____

ANALYSIS REQUEST										Preservative Codes	
Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code		None: NO	DI Water: H ₂ O
B-17	Soil	6/7/22	1146	7'	Comp	1	BRX (8021)			Cool: Cool	MeOH: Me
B-18			1150	7.5'			TDM (8015)			HCL: HC	HNO ₃ : HN
B-19			1154	1'						H ₂ SO ₄ : H ₂	NaOH: Na
B-20			1157	6-7'						H ₃ PO ₄ : HP	
B-21			1200	1'						NaHSO ₄ : NABIS	
B-22			1204	7'						Na ₂ S ₂ O ₃ : NaSO ₃	
B-23			1206	7-7.5'						Zn Acetate+NaOH: Zn	
B-24			1210	7.5'						NaOH+Ascorbic Acid: SACP	
B-25			1213	6-7'							
B-26			1220	1'							

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1. _____	2. _____	
3. _____	4. _____	
5. _____	6. _____	

Revised Date: 08/25/2020 Rev. 2020.2



Environment Testing

Xenco

Chain of Custody

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Midland, TX (432) 704 5440, San Antonio, TX (210) 509 3334
El Paso, TX (915) 585 3443, Lubbock, TX (806) 794 1296
Hobbs, NM (575) 392 7550, Carlsbad, NM (575) 988 3199

Work Order No: _____

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Project Manager:		Bill to: (if different)	
Company Name:		Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	

Project Name:		Turn Around	
Project Number:		Routine ☒ Rush ☐	
Project Location:		Due Date:	
Sampler's Name:		TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT		Temp Blank:		Yes No		Wet Ice:		Yes No	
Samples Received Intact:		Yes No		Thermometer ID:		Correction Factor:			
Cooler Custody Seals:		Yes No N/A		Temperature Reading:		Corrected Temperature:			
Sample Custody Seals:		Yes No N/A							
Total Containers:									

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/Comp	# of Cont	Parameters	Pres. Code	ANALYSIS REQUEST	Preservative Codes
G-27	Soil	6/7/22	1224	7'	Comp	1				None: NO DI Water: H ₂ O Cool: Cool MeOH: Me HCL: HC HNO ₃ : HN H ₂ SO ₄ : H ₂ NaOH: Na H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SACP
G-28			1230	7'						
G-29			1320	7.5'						
G-30			1324							
G-31			1329							
G-32			1337	6-7'						
G-33			1341	7'						
G-34			1345	7'						
G-35			1346	7.5'						
G-36			1352	7.5'						

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed		TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2	
3	4	
5	6	

Revised Date 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing
Xenco



Work Order No: _____

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Project Manager:	Bill to: (if different)	Work Order Comments
Company Name:	Company Name:	Program: ☐ UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
Address:	Address:	State of Project:
City, State ZIP:	City, State ZIP:	Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Phone:	Email:	Deliverables: EDD ☐ ADaPT ☐ Other:

ANALYSIS REQUEST		Preservative Codes	
Project Name:	Turn Around	None: NO	DI Water: H ₂ O
Project Number:	☒ Routine ☐ Rush	Cool: Cool	MeOH: Me
Project Location:	Due Date:	HCL: HC	HNO ₃ : HN
Sampler's Name:	TAT starts the day received by the lab, if received by 4:30pm	H ₂ SO ₄ : H ₂	NaOH: Na
PO #:	Wet/Dry:	H ₃ PO ₄ : HP	
SAMPLE RECEIPT		NaHSO ₄ : NABIS	
Samples Received Intact:	Yes No	Na ₂ S ₂ O ₃ : NaSO ₃	
Cooler Custody Seals:	Yes No N/A	Zn Acetate+NaOH: Zn	
Sample Custody Seals:	Yes No N/A	NaOH+Ascorbic Acid: SAPC	
Total Containers:	Corrected Temperature:		
Sample Identification	Matrix	Date Sampled	Time Sampled
B-1	SOIL	6/7/22	1400
B-2			1405
B-37			1413
B-38			1416
B-39			1418
B-40			1420
B-41			1424
B-42			1428
B-43			1431
B-44			1434

Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO ₂ Na Sr Ti Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed	TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Ti U	Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Environment Testing

Xenco

Work Order No:

Page ____ of ____
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Work Order Comments	
Program:	UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:	
Reporting:	Level I ☐ Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables:	EDD ☐ ADaPT ☐ Other:

Project Manager:		
Company Name:		
Address:		
City State ZIP:		
Bil. to: (if different)		
Company Name:		
Address:		
City State ZIP:		
Email:		

[illegible][illegible]

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. The signature of the client is required for all sample collection and analysis services. If the signature of the client is not provided, the results of the analysis may be affected. The client agrees to indemnify Eurofins Xenco, its affiliates and subcontractors, against all claims, damages, costs and expenses, including reasonable attorneys' fees, arising out of or resulting from the use of the services provided by Eurofins Xenco, its affiliates and subcontractors. This agreement shall survive the termination or expiration of this contract.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	[Signature]	[Signature]				
2						
3						
4						
5						
6						

Revised Date: 08/25/2020 Rev: 2020.2

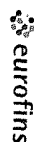
Eurofins Carlsbad

1089 N Canal St

Carlsbad NM 88220

Phone: 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Environment Testing America

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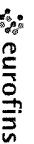
Eurofins Carlsbad

1089 N Canal St.

Carlsbad NM 88220

Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record

Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No																																																																																																				
Client Contact:	Phone	Taylor Holly	State of Origin:	890-784 2	Page 2 of 7																																																																																																				
Shipping/Receiving	E-Mail	Taylor@eurofinsus.com	New Mexico																																																																																																						
Company:	Accreditations Required (See note)	NE LAP - Louisiana	NE LAP - Texas	Job #	890-2387-1																																																																																																				
Address:	Due Date Requested	6/14/2022																																																																																																							
City:	TAT Requested (days):																																																																																																								
Midland																																																																																																									
State Zip																																																																																																									
TX 79701																																																																																																									
Phone:	PO #:																																																																																																								
432-704-5440(Tel)	WC #:																																																																																																								
Email	Project #:																																																																																																								
	Result#4 12 Fed Com 505 & 506																																																																																																								
Project Name:	SSOW#																																																																																																								
Site																																																																																																									
<table border="1"> <thead> <tr> <th>Sample Identification - Client ID (Lab ID)</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (W=water, S=solid, O=oil, BT=tissue, AA=)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>Analysis Requested</th> <th>Total Number of containers</th> <th>Special Instructions/Note</th> </tr> </thead> <tbody> <tr> <td>W-10 (890-2387-10)</td> <td>6/7/22</td> <td>08 50</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td>8015MOD_NM/8016NM_S_Prep (MOD) Full TPH</td> <td>1</td> <td></td> </tr> <tr> <td>W-11 (890-2387-11)</td> <td>6/7/22</td> <td>08 53</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td>8015MOD_Calc</td> <td>1</td> <td></td> </tr> <tr> <td>W-12 (890-2387-12)</td> <td>6/7/22</td> <td>09 00</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td>300_ORGFM_28D/DI_LEACH Chloride</td> <td>1</td> <td></td> </tr> <tr> <td>W-13 (890-2387-13)</td> <td>6/7/22</td> <td>09 04</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td>8021B/5035FP_Calc (MOD) BTEX</td> <td>1</td> <td></td> </tr> <tr> <td>W-1 (890-2387-14)</td> <td>6/7/22</td> <td>09 07</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td>Total_BTEX_GCV</td> <td>1</td> <td></td> </tr> <tr> <td>B-1 (890-2387-15)</td> <td>6/7/22</td> <td>10 34</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>B-2 (890-2387-16)</td> <td>6/7/22</td> <td>10 38</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>B-3 (890-2387-17)</td> <td>6/7/22</td> <td>10 41</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> <tr> <td>B-4 (890-2387-18)</td> <td>6/7/22</td> <td>10 44</td> <td></td> <td>Solid</td> <td>X</td> <td>X</td> <td></td> <td>1</td> <td></td> </tr> </tbody> </table>						Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=tissue, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note	W-10 (890-2387-10)	6/7/22	08 50		Solid	X	X	8015MOD_NM/8016NM_S_Prep (MOD) Full TPH	1		W-11 (890-2387-11)	6/7/22	08 53		Solid	X	X	8015MOD_Calc	1		W-12 (890-2387-12)	6/7/22	09 00		Solid	X	X	300_ORGFM_28D/DI_LEACH Chloride	1		W-13 (890-2387-13)	6/7/22	09 04		Solid	X	X	8021B/5035FP_Calc (MOD) BTEX	1		W-1 (890-2387-14)	6/7/22	09 07		Solid	X	X	Total_BTEX_GCV	1		B-1 (890-2387-15)	6/7/22	10 34		Solid	X	X		1		B-2 (890-2387-16)	6/7/22	10 38		Solid	X	X		1		B-3 (890-2387-17)	6/7/22	10 41		Solid	X	X		1		B-4 (890-2387-18)	6/7/22	10 44		Solid	X	X		1	
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, BT=tissue, AA=)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note																																																																																																
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W-12 (890-2387-12)	6/7/22	09 00		Solid	X	X	300_ORGFM_28D/DI_LEACH Chloride	1																																																																																																	
W-13 (890-2387-13)	6/7/22	09 04		Solid	X	X	8021B/5035FP_Calc (MOD) BTEX	1																																																																																																	
W-1 (890-2387-14)	6/7/22	09 07		Solid	X	X	Total_BTEX_GCV	1																																																																																																	
B-1 (890-2387-15)	6/7/22	10 34		Solid	X	X		1																																																																																																	
B-2 (890-2387-16)	6/7/22	10 38		Solid	X	X		1																																																																																																	
B-3 (890-2387-17)	6/7/22	10 41		Solid	X	X		1																																																																																																	
B-4 (890-2387-18)	6/7/22	10 44		Solid	X	X		1																																																																																																	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.																																																																																																									
Possible Hazard Identification Unconfirmed Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2 Special Instructions/QAC Requirements Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client Disposal By Lab Archive For Months																																																																																																									
Empty Kit Relinquished by Date Time Company Method of Shipment Relinquished by Date Time Company Relinquished by Date Time Company Relinquished by Date Time Company Custody Seals Intact: Custody Seal No Cooler Temperature(s) °C and Other Remarks.																																																																																																									

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact:		Phone	Taylor Holly		890-784-3
Shipping/Receiving			E-Mail	State of Origin	Page:
Eurofins Environment Testing South Cent			Holly Taylor@et.eurofins.com	New Mexico	3 of 7
Address		Due Date Requested	Accreditations Required (See note):		Job #:
1211 W Florida Ave		6/14/2022	NELAP - Louisiana NELAP - Texas		890-2387-1
City	Midland	TAT Requested (days)	Analysis Requested		
State Zip	TX 79701				
Phone	432-704-5440(Tel)	PO #:			
Email		W/O #:			
Project Name:	Result#4 12 Fed Com 505 & 506	Project #:			
Site	SSOV#	SSOV#			
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/eff, BT=tissue, AA=)
B-5 (890-2387-19)		6/7/22	10:47		Solid
B-6 (890-2387-20)		6/7/22	10:50		Solid
B-7 (890-2387-21)		6/7/22	10:52		Solid
B-8 (890-2387-22)		6/7/22	10:57		Solid
B-9 (890-2387-23)		6/7/22	11:00		Solid
B-10 (890-2387-24)		6/7/22	11:05		Solid
B-11 (890-2387-25)		6/7/22	11:07		Solid
B-12 (890-2387-26)		6/7/22	11:10		Solid
B-13 (890-2387-27)		6/7/22	11:13		Solid
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central, LLC places the ownership of method analyte & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.					
Possible Hazard Identification					
Unconfirmed					
Deliverable Requested I II III IV Other (specify)		Primary Deliverable Rank 2		Special Instructions/QC Requirements	
Empty Kit Relinquished by		Date	Time	Method of Shipment:	
Relinquished by <i>Cue</i>		Date/Time		Received by <i>Shannon</i>	Date/Time
Relinquished by		Date/Time		Received by	Date/Time
Relinquished by		Date/Time		Received by	Date/Time
Custody Seals Intact		Cooler Temperature(s) °C and Other Remarks			
Δ Yes Δ No		Custody Seal No			

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 86220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No
Client Contact	Phone	Taylor Holly			890-794 4
Shipping/Receiving		E-Mail	State of Origin	Page	Page 4 of 7
Company		Holly Taylor@et.eurofins.com	New Mexico	Job #	890-2387-1
Eurofins Environment Testing South Center		Accreditations Required (See note)		890-2387-1	
Address	1211 W Florida Ave	NEIAP - Louisiana, NELAP - Texas			
City	Midland	Analysis Requested			
State Zip	TX 79701				
Phone	432-704-5440(Tel)				
Email	W/O #				
Project Name	Resulced 12 Fed Com 506 & 506				
Site	SSOW#				
Due Date Requested		Field Filtered Sample (Yes or No)			
6/14/2022		Perform MS/MSD (Yes or No)			
TAT Requested (days)		8016MOD_NM/8016NM_S_Prep (MOD) Full TPH			
		8016MOD_Calc			
		300_ORGFM_28D/DI_LEACH Chloride			
		8021B/6036FP_Calc (MOD) BTEX			
		Total_BTEX_GCV			
Sample Identification - Client ID (Lab ID)		Total Number of containers			
B-14 (890-2387-28)	6/7/22	11 15			
B-15 (890-2387-29)	6/7/22	11 38			
B-16 (890-2387-30)	6/7/22	11 41			
B-17 (890-2387-31)	6/7/22	11 45			
B-18 (890-2387-32)	6/7/22	11 50			
B-19 (890-2387-33)	6/7/22	11 54			
B-20 (890-2387-34)	6/7/22	11 57			
B-21 (890-2387-35)	6/7/22	12 00			
B-22 (890-2387-36)	6/7/22	12 04			
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Center LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Center LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Center LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Center LLC.					
Possible Hazard Identification		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)			
Unconfirmed		Return To Client			
Deliverable Requested I II III IV Other (specify)		Disposal By Lab			
Primary Deliverable Rank 2		Archive For			
Empty Kit Relinquished by		Method of Shipment			
Relinquished by		Received by			
Relinquished by		Received by			
Relinquished by		Received by			
Custody Seals Intact.		Cooler Temperature(s) °C and Other Remarks			
Δ Yes Δ No					

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Eurofins Carlsbad

1089 N Canal St
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No					
Client Contact	Phone	Taylor Holly			890-784 5					
Shipping/Receiving		E-Mail	Taylor@eurofins.com	State of Origin	Page 5 of 7					
Company		Accreditations Required (See note)	NEELAP - Louisiana, NEELAP - Texas	Job #	890-2387-1					
Address	1211 W Florida Ave	Due Date Requested	6/14/2022							
City	Midland	TAT Requested (days):								
State, Zip	TX 79701	PO #								
Phone	432-704-5440(Tel)	WO #								
Email		Project #	89000029							
Project Name	Resulted 12 Fed Com 505 & 506	SSOW#								
Site										
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note
B-23 (890-2387-37)	6/7/22	12 06	Mountain	Solid		X	X	X	X	
B-24 (890-2387-38)	6/7/22	12 10	Mountain	Solid		X	X	X	X	
B-25 (890-2387-39)	6/7/22	12 15	Mountain	Solid		X	X	X	X	
B-26 (890-2387-40)	6/7/22	12 20	Mountain	Solid		X	X	X	X	
B-27 (890-2387-41)	6/7/22	12 24	Mountain	Solid		X	X	X	X	
B-28 (890-2387-42)	6/7/22	13 30	Mountain	Solid		X	X	X	X	
B-29 (890-2387-43)	6/7/22	13 20	Mountain	Solid		X	X	X	X	
B-30 (890-2387-44)	6/7/22	13 24	Mountain	Solid		X	X	X	X	
B-31 (890-2387-45)	6/7/22	13 29	Mountain	Solid		X	X	X	X	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/shipment, being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.										
Possible Hazard Identification Unconfirmed Deliverable Requested I II III IV Other (specify) _____ Primary Deliverable Rank 2 Special Instructions/QC Requirements Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months										
Empty Kit Relinquished by		Date	Time	Method of Shipment						
Relinquished by <i>Cle</i>		Date/Time	Company	Received by	Date/Time					
Relinquished by		Date/Time	Company	Received by	Date/Time					
Relinquished by		Date/Time	Company	Received by	Date/Time					
Custody Seals Intact		Custody Seal No	Cooler Temperature(s) °C and Other Remarks							
Δ Yes Δ No										

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Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax 575-988-3199

Chain of Custody Record



Environment Testing
America

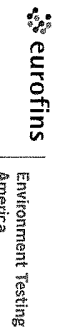
Client Information (Sub Contract Lab)		Sampler	Lab PM	Carrier Tracking No(s)	COC No					
Client Contact	Phone	Taylor Holly			890-784 6					
Shipping/Receiving	E-Mail	Taylor@et.eurofins.com	State of Origin	Page	Page 6 of 7					
Company	Accreditations Required (See note)	NE LAP - Louisiana NE LAP - Texas	New Mexico	Job #	890-2387-1					
Eurofins Environment Testing South Cent										
Address	Due Date Requested									
1211 W Florida Ave	6/14/2022									
City	TAT Requested (days):									
Midland										
State Zip										
TX 79701										
Phone	PO #									
432-704-5440(Tel)										
Email	WO #									
Project Name	Project #									
Results 12 Fed Com 505 & 506	89000029									
Site	SSOW#									
Sample Identification - Client ID (Lab ID)		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested	Total Number of containers	Special Instructions/Note.
B-32 (890-2387-46)	6/7/22	13 37	Mountain	Solid		X	X	X	X	
B-33 (890-2387-47)	6/7/22	13 41	Mountain	Solid		X	X	X	X	
B-34 (890-2387-48)	6/7/22	13 45	Mountain	Solid		X	X	X	X	
B-35 (890-2387-49)	6/7/22	13 14	Mountain	Solid		X	X	X	X	
B-36 (890-2387-50)	6/7/22	13 52	Mountain	Solid		X	X	X	X	
R-1 (890-2387-51)	6/7/22	14 00	Mountain	Solid		X	X	X	X	
R-2 (890-2387-52)	6/7/22	14 05	Mountain	Solid		X	X	X	X	
B-37 (890-2387-53)	6/7/22	14 13	Mountain	Solid		X	X	X	X	
B-38 (890-2387-54)	6/7/22	14 16	Mountain	Solid		X	X	X	X	
Note: Since laboratory accreditations are subject to change Eurofins Environment Testing South Central LLC places the ownership of method, analyte & accreditation compliance upon our subcontracted laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central LLC.										
Possible Hazard Identification										
Unconfirmed										
Deliverable Requested I II III IV Other (specify)										
Primary Deliverable Rank: 2										
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ☐ Months										
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)										
Special Instructions/QC Requirements										
Empty Kit Relinquished by										
Relinquished by										
Relinquished by										
Relinquished by										
Custody Seals Intact: ☐ Yes ☐ No										
Custody Seal No										
Cooler Temperature(s) °C and Other Remarks										

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Eurofins Carlsbad

1089 N Canal St.
Carlsbad NM 88220
Phone 575-988-3199 Fax: 575-988-3199

Chain of Custody Record



Client Information (Sub Contract Lab)		Sampler		Lab PM		Carrier Tracking No(s)		COC No													
Client Contact:		Phone		Taylor, Holly		State of Origin		890-784 7													
Shipping/Receiving		E-Mail		Holly Taylor@eurofins.com		New Mexico		Page 7 of 7													
Company		Eurofins Environment Testing South Cent		Accreditations Required (See note):		NELAP - Louisiana NELAP - Texas		Job #													
Address		1211 W Florida Ave		Due Date Requested		6/14/2022		890-2387-1													
City		Midland		TAT Requested (days):																	
State Zip		TX 79701																			
Phone		432-04-5440(Tel)		PO #																	
Email				W/O #																	
Project Name:		Result#4 12 Fed Com 505 & 506		Project #		89000029															
Site				SSOW#:																	
Sample Identification - Client ID (Lab ID)				Sample Date		Sample Time		Sample Type (G=grab)		Matrix (W=water S=solid O=oil BT=tissue A=air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Analysis Requested		Special Instructions/Note			
B-39 (890-2387-55)				6/7/22		14 18		Mountain		Solid		X		X		X		X		1	
B-40 (890-2387-56)				6/7/22		14 20		Mountain		Solid		X		X		X		X		1	
B-41 (890-2387-57)				6/7/22		14 24		Mountain		Solid		X		X		X		X		1	
B-42 (890-2387-58)				6/7/22		14 28		Mountain		Solid		X		X		X		X		1	
B-43 (890-2387-59)				6/7/22		14 31		Mountain		Solid		X		X		X		X		1	
B-44 (890-2387-60)				6/7/22		14 34		Mountain		Solid		X		X		X		X		1	
B-45 (890-2387-61)				6/7/22		14 38		Mountain		Solid		X		X		X		X		1	
B-46 (890-2387-62)				6/7/22		14 42		Mountain		Solid		X		X		X		X		1	
B-47 (890-2387-63)				6/7/22		14 45		Mountain		Solid		X		X		X		X		1	
Unconfirmed																					
Deliverable Requested I II III IV Other (specify) Primary Deliverable Rank 2																					
Possible Hazard Identification																					
Empty Kit Relinquished by																					
Relinquished by <i>Cee</i> Date/Time Company																					
Relinquished by Date/Time Company																					
Relinquished by Date/Time Company																					
Custody Seals Intact Custody Seal No																					
Cooler Temperature(s) °C and Other Remarks																					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)																					
Return To Client Disposal By Lab Archive For Months																					
Special Instructions/QC Requirements																					
Method of Shipment:																					
Received by <i>Shawnell</i> Date/Time Company																					
Received by Date/Time Company																					
Received by Date/Time Company																					

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2387-1

SDG Number: 5198

Login Number: 2387**List Number: 1****Creator: Clifton, Cloe****List Source: Eurofins Carlsbad**

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	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2387-1

SDG Number: 5198

Login Number: 2387**List Number: 2****Creator: Rodriguez, Leticia****List Source: Eurofins Midland****List Creation: 06/09/22 11:11 AM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	



Environment Testing America

ANALYTICAL REPORT

Eurofins Carlsbad
1089 N Canal St.
Carlsbad, NM 88220
Tel: (575)988-3199

Laboratory Job ID: 890-2473-1

Laboratory Sample Delivery Group: 5198
Client Project/Site: Resolute 12 FED Com

For:

Ranger Environmental Services, Inc
PO BOX 201179
Austin, Texas 78729

Attn: Will Kierdorf

A handwritten signature in cursive script that reads "Holly Taylor".

Authorized for release by:

7/8/2022 4:39:03 PM

Holly Taylor, Project Manager
(806)794-1296

Holly.Taylor@et.eurofinsus.com

LINKS

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results through



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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Laboratory Job ID: 890-2473-1
SDG: 5198

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Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

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/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Job ID: 890-2473-1

Laboratory: Eurofins Carlsbad

Narrative

**Job Narrative
890-2473-1**

Receipt

The sample was received on 6/28/2022 9:11 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 4.8°C

GC VOA

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-28745 and analytical batch 880-29171 were outside control limits. Sample matrix interference and/or non-homogeneity are 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 Semi VOA

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.

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Client Sample ID: B-7/A

Lab Sample ID: 890-2473-1

Date Collected: 06/27/22 08:40

Matrix: Solid

Date Received: 06/28/22 09:11

Sample Depth: 1' - 7'

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U F1 F2	0.00201	mg/Kg		06/30/22 10:55	07/07/22 13:16	1
Toluene	<0.00201	U F1 F2	0.00201	mg/Kg		06/30/22 10:55	07/07/22 13:16	1
Ethylbenzene	<0.00201	U F1 F2	0.00201	mg/Kg		06/30/22 10:55	07/07/22 13:16	1
m,p-Xylenes	<0.00402	U F1 F2	0.00402	mg/Kg		06/30/22 10:55	07/07/22 13:16	1
o-Xylene	<0.00201	U F1 F2	0.00201	mg/Kg		06/30/22 10:55	07/07/22 13:16	1
Xylenes, Total	<0.00402	U F1 F2	0.00402	mg/Kg		06/30/22 10:55	07/07/22 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130	06/30/22 10:55	07/07/22 13:16	1
1,4-Difluorobenzene (Surr)	90		70 - 130	06/30/22 10:55	07/07/22 13:16	1

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	mg/Kg			07/07/22 17:00	1

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

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			06/30/22 12:35	1

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/30/22 10:34	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/30/22 10:34	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/30/22 10:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	111		70 - 130	06/29/22 15:50	06/30/22 10:34	1
o-Terphenyl (Surr)	121		70 - 130	06/29/22 15:50	06/30/22 10:34	1

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	516		5.05	mg/Kg			07/05/22 18:31	1

Eurofins Carlsbad

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-2473-1	B-7/A	105	90
890-2473-1 MS	B-7/A	107	91
890-2473-1 MSD	B-7/A	101	98
LCS 880-28745/1-A	Lab Control Sample	109	93
LCSD 880-28745/2-A	Lab Control Sample Dup	108	102
MB 880-28745/5-A	Method Blank	78	89
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-2473-1	B-7/A	111	121
LCS 880-28683/2-A	Lab Control Sample	110	109
LCSD 880-28683/3-A	Lab Control Sample Dup	110	110
MB 880-28683/1-A	Method Blank	105	119
Surrogate Legend			
1CO = 1-Chlorooctane (Surr)			
OTPH = o-Terphenyl (Surr)			

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-28745/5-A

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28745

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200	mg/Kg		06/30/22 10:55	07/07/22 12:49	1
Toluene	<0.00200	U	0.00200	mg/Kg		06/30/22 10:55	07/07/22 12:49	1
Ethylbenzene	<0.00200	U	0.00200	mg/Kg		06/30/22 10:55	07/07/22 12:49	1
m,p-Xylenes	<0.00400	U	0.00400	mg/Kg		06/30/22 10:55	07/07/22 12:49	1
o-Xylene	<0.00200	U	0.00200	mg/Kg		06/30/22 10:55	07/07/22 12:49	1
Xylenes, Total	<0.00400	U	0.00400	mg/Kg		06/30/22 10:55	07/07/22 12:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	78		70 - 130	06/30/22 10:55	07/07/22 12:49	1
1,4-Difluorobenzene (Surr)	89		70 - 130	06/30/22 10:55	07/07/22 12:49	1

Lab Sample ID: LCS 880-28745/1-A

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28745

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.09078		mg/Kg		91	70 - 130
Toluene	0.100	0.09125		mg/Kg		91	70 - 130
Ethylbenzene	0.100	0.08895		mg/Kg		89	70 - 130
m,p-Xylenes	0.200	0.1809		mg/Kg		90	70 - 130
o-Xylene	0.100	0.09935		mg/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: LCSD 880-28745/2-A

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28745

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09216		mg/Kg		92	70 - 130	2	35
Toluene	0.100	0.09349		mg/Kg		93	70 - 130	2	35
Ethylbenzene	0.100	0.08979		mg/Kg		90	70 - 130	1	35
m,p-Xylenes	0.200	0.1818		mg/Kg		91	70 - 130	0	35
o-Xylene	0.100	0.1004		mg/Kg		100	70 - 130	1	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	108		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2473-1 MS

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: B-7/A

Prep Type: Total/NA

Prep Batch: 28745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U F1 F2	0.100	0.08163		mg/Kg		81	70 - 130
Toluene	<0.00201	U F1 F2	0.100	0.08143		mg/Kg		81	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

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

Lab Sample ID: 890-2473-1 MS

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: B-7/A

Prep Type: Total/NA

Prep Batch: 28745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U F1 F2	0.100	0.07367		mg/Kg		74	70 - 130
m,p-Xylenes	<0.00402	U F1 F2	0.200	0.1476		mg/Kg		74	70 - 130
o-Xylene	<0.00201	U F1 F2	0.100	0.08926		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	91		70 - 130

Lab Sample ID: 890-2473-1 MSD

Matrix: Solid

Analysis Batch: 29171

Client Sample ID: B-7/A

Prep Type: Total/NA

Prep Batch: 28745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00201	U F1 F2	0.0996	0.03414	F1 F2	mg/Kg		34	70 - 130	82	35
Toluene	<0.00201	U F1 F2	0.0996	0.03418	F1 F2	mg/Kg		34	70 - 130	82	35
Ethylbenzene	<0.00201	U F1 F2	0.0996	0.03240	F1 F2	mg/Kg		33	70 - 130	78	35
m,p-Xylenes	<0.00402	U F1 F2	0.199	0.06716	F1 F2	mg/Kg		34	70 - 130	75	35
o-Xylene	<0.00201	U F1 F2	0.0996	0.04394	F1 F2	mg/Kg		44	70 - 130	68	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	98		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-28683/1-A

Matrix: Solid

Analysis Batch: 28603

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 28683

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/29/22 19:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/29/22 19:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0	mg/Kg		06/29/22 15:50	06/29/22 19:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane (Surr)	105		70 - 130	06/29/22 15:50	06/29/22 19:46	1
o-Terphenyl (Surr)	119		70 - 130	06/29/22 15:50	06/29/22 19:46	1

Lab Sample ID: LCS 880-28683/2-A

Matrix: Solid

Analysis Batch: 28603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28683

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1244		mg/Kg		124	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1171		mg/Kg		117	70 - 130

Eurofins Carlsbad

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-28683/2-A

Matrix: Solid

Analysis Batch: 28603

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 28683

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	109		70 - 130

Lab Sample ID: LCSD 880-28683/3-A

Matrix: Solid

Analysis Batch: 28603

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 28683

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1207		mg/Kg		121	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	1222		mg/Kg		122	70 - 130	4	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane (Surr)	110		70 - 130
o-Terphenyl (Surr)	110		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-28633/1-A

Matrix: Solid

Analysis Batch: 28885

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00	mg/Kg			07/04/22 13:12	1

Lab Sample ID: LCS 880-28633/2-A

Matrix: Solid

Analysis Batch: 28885

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	229.1		mg/Kg		92	90 - 110

Lab Sample ID: LCSD 880-28633/3-A

Matrix: Solid

Analysis Batch: 28885

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.3		mg/Kg		92	90 - 110	0	20

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

GC VOA

Prep Batch: 28745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	5035	
MB 880-28745/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-28745/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-28745/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2473-1 MS	B-7/A	Total/NA	Solid	5035	
890-2473-1 MSD	B-7/A	Total/NA	Solid	5035	

Analysis Batch: 29171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	8021B	28745
MB 880-28745/5-A	Method Blank	Total/NA	Solid	8021B	28745
LCS 880-28745/1-A	Lab Control Sample	Total/NA	Solid	8021B	28745
LCSD 880-28745/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	28745
890-2473-1 MS	B-7/A	Total/NA	Solid	8021B	28745
890-2473-1 MSD	B-7/A	Total/NA	Solid	8021B	28745

Analysis Batch: 29245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 28603

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	8015B NM	28683
MB 880-28683/1-A	Method Blank	Total/NA	Solid	8015B NM	28683
LCS 880-28683/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	28683
LCSD 880-28683/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	28683

Prep Batch: 28683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	8015NM Prep	
MB 880-28683/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-28683/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-28683/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 28755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 28633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Soluble	Solid	DI Leach	
MB 880-28633/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-28633/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-28633/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 28885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2473-1	B-7/A	Soluble	Solid	300.0	28633

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QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 28885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-28633/1-A	Method Blank	Soluble	Solid	300.0	28633
LCS 880-28633/2-A	Lab Control Sample	Soluble	Solid	300.0	28633
LCSD 880-28633/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	28633

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Client Sample ID: B-7/A

Lab Sample ID: 890-2473-1

Date Collected: 06/27/22 08:40

Matrix: Solid

Date Received: 06/28/22 09:11

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	28745	06/30/22 10:55	MR	XEN MID
Total/NA	Analysis	8021B		1			29171	07/07/22 13:16	AJ	XEN MID
Total/NA	Analysis	Total BTEX		1			29245	07/07/22 17:00	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			28755	06/30/22 12:35	SM	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	28683	06/29/22 15:50	DM	XEN MID
Total/NA	Analysis	8015B NM		1			28603	06/30/22 10:34	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	28633	06/29/22 11:09	CH	XEN MID
Soluble	Analysis	300.0		1			28885	07/05/22 18:31	CH	XEN MID

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400-22-23	06-30-23

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
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	XEN MID
Total BTEX	Total BTEX Calculation	TAL SOP	XEN MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	XEN MID
300.0	Anions, Ion Chromatography	MCAWW	XEN MID
5035	Closed System Purge and Trap	SW846	XEN MID
8015NM Prep	Microextraction	SW846	XEN MID
DI Leach	Deionized Water Leaching Procedure	ASTM	XEN MID

Protocol References:

ASTM = ASTM International

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

XEN MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Ranger Environmental Services, Inc
Project/Site: Resolute 12 FED Com

Job ID: 890-2473-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2473-1	B-7/A	Solid	06/27/22 08:40	06/28/22 09:11	1' - 7'

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14



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Environment Testing
Xenco

Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
El Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No:

Page 1 of 1
www.xenco.com[illegible]

	Total 200.7 / 6010	200.8 / 6020:	8RCRA 13PPM Texas 11	Al	Sb	As	Ba	Be	B	Cd	Ca	Cr	Cu	Fe	Pb	Mg	Mn	Mo	Ni	K	Se	Ag	SiO ₂	Na	Sr	Ti	Sn	U	V	Zn		
Circle Method(s) and Metal(s) to be analyzed																																

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of \$45.00 will be applied to each sample submitted to Eurofins Xenco, but not analyzed. These terms are enforced unless previously negotiated in writing.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	<i>W. Kennedy</i>	<i>Amanda Stief</i>	<i>6/28/22 911</i>			
3						

Revised Date 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2473-1

SDG Number: 5198

Login Number: 2473

List Number: 1

Creator: Stutzman, Amanda

List Source: Eurofins Carlsbad

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	

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2473-1

SDG Number: 5198

Login Number: 2473

List Number: 2

Creator: Rodriguez, Leticia

List Source: Eurofins Midland

List Creation: 06/29/22 10:55 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
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	

ATTACHMENT 4 – NMOCD CORRESPONDENCE

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Friday, June 24, 2022 12:07 PM
To: Todd Wells <Todd_Wells@eogresources.com>
Cc: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Hairmon, Jocelyn, EMNRD <Jocelyn.Hairmon@state.nm.us>
Subject: FW: [EXTERNAL] EOG - Resolute 12 Fed Com #505

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.

Todd,

Your request for a 60-day extension is approved. Please include this e-mail correspondence in the remediation and/or closure report.

Thank you,
Jennifer Nobui

From: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Sent: Friday, June 24, 2022 9:19 AM
To: Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Hairmon, Jocelyn, EMNRD <Jocelyn.Hairmon@state.nm.us>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Velez, Nelson, EMNRD <Nelson.Velez@state.nm.us>
Subject: Fw: [EXTERNAL] EOG - Resolute 12 Fed Com #505

From: Todd Wells <Todd_Wells@eogresources.com>
Sent: Friday, June 24, 2022 9:10 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: James Kennedy <James_Kennedy@eogresources.com>
Subject: [EXTERNAL] EOG - Resolute 12 Fed Com #505

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

This correspondence is to request a sixty day extension of time from the OCD for the reuse water release at the EOG, Resolute 12 Fed Com #505H, Incident #NAPP2209732674, location in Lea County, New Mexico. Following the release, the completions operations continued for weeks on the site. The completions operations and equipment at the site prevented access to begin the remediation. Remediation activities are ongoing and we are currently excavating at the site in order to complete the remediation. The requested extension of time is to complete the remediation, write and submit the closure report. Please let us know if you have any questions regarding this site.

Thank you,

Todd Wells
Environmental Specialist
Midland Division

5509 Champions Drive
Midland, TX 79706
O: (432) 686-3613
C: (432) 312-7736
Todd_Wells@eogresources.com

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 127825

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 127825
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	7/26/2022