RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION, REMEDIATION AND CLOSURE REPORT

DRAGON RISER
UNIT H, SECTION 36, TOWNSHIP 24S, RANGE 33E
LEA COUNTY, NEW MEXICO
32.176607, -103.519386
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

MAY 26, 2022

Max Cook, CAPM (TX)
Senior Project Manager

William Kierdorf, REM
Project Manager

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RANGER
ENVIRONMENTAL SERVICES, INC.

SITE CHARACTERIZATION, REMEDIATION AND CLOSURE REPORT
DRAGON RISER
UNIT H, SECTION 36, TOWNSHIP 24S RANGE 33E
LEA COUNTY, NEW MEXICO
32.176607, -103.519386
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1.0 SITE LOCATION AND BACKGROUND

On February 27, 2022, a release was discovered originating from the Dragon Riser booster pump located approximately 19.45 miles west-northwest of Jal, within Lea County, New Mexico. The Site is situated in Unit H, Section 36, T24S-R33E at GPS coordinates 32.176607, -103.519386.

Due to gasket failures on the booster pump, approximately 10 barrels (bbls) of treated reuse water was released. Upon discovery, emergency vacuum trucks were dispatched to the location and were successful in recovering approximately five bbls of released fluids. The was reported to the New Mexico Oil Conservation Division (NMOCD) (NMOCD Incident # nAPP2206149096).

EOG Resources, Inc. (EOG) engaged Ranger Environmental Services, Inc. (Ranger) to assist in the remediation efforts at the Site.

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, and 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 reviewed information, of the closest identified wells with available data, depth-to-groundwater appears to be greater than 100 feet below ground surface (bgs). Copies of the reviewed depth-to-groundwater information is attached.

2.2 Wellhead Protection Area

Based upon the USGS and NMOSE information as well as a field reconnaissance survey, no water wells were identified within a half-mile of the Site.

Upon review of the National Wetland Inventory, a mapped wetland feature is located approximately 260 feet southwest of the site location. The feature is classified as a R4SBC, which is defined as a riverine, intermittent, streambed and seasonally flooded.

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

3.1 Impacted Soil Removal and Confirmation Soil Sampling

To address the area impacted by the release, soil removal operations were conducted at the Site. Upon completion, the excavated area had maximum dimensions of approximately 85 feet by 53 and had a maximum depth of approximately 13 feet bgs.

On April 9, 2022, Ranger personnel mobilized to the location to conduct site assessment activities which included the collection of confirmation soil samples for laboratory analysis. To assess the excavated area and 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.

Upon collection, all 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.

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

3.2 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. It should be noted, samples collected along the sidewalls of the excavation have a “W” within the sample ID (ie. EW-1 was collected along the east wall of the excavation). Additionally, samples that have an “R” in the sample ID were collected within the ramped portion of the excavation and those composite sample depths are variable. Copies of the laboratory analytical reports including chain-of-custody documentation are attached.

3.3 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 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	nAPP2206149096
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)* nAPP2206149096
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.176607° Longitude -103.519386°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Dragon Riser	Site Type Reuse Water Pipeline Riser
Date Release Discovered 2/27/22	API# *(if applicable)*

Unit Letter	Section	Township	Range	County
H	36	24S	33E	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) 10	Volume Recovered (bbls) 5
	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 high line pressure at the Dragon Riser booster pump caused a failure of the gasket, leaking at the flanges, releasing approximately 10 bbls of treated reuse water around the riser, ROW and in the field with 5 bbls recovered.

State of New Mexico
Oil Conservation Division

Incident ID	NAPP2206149096
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 not 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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 3/2/22

email: Todd_Wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: Ramona Marcus Date: 3/4/2022

State of New Mexico
Oil Conservation Division

Incident ID	
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?	>100' (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

Incident ID	
District RP	
Facility ID	
Application ID	

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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 5/26/2022

email: todd_wells@eogresources.com Telephone: (432) 686-3613

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	
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: Todd Wells Title: Environmental Specialist

Signature: Todd Wells Date: 5/26/2022

email: todd_wells@eogresources.com Telephone: (432) 686-3613

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: 06/06/2022

Printed Name: Jennifer Nobui Title: Environmental Specialist A

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

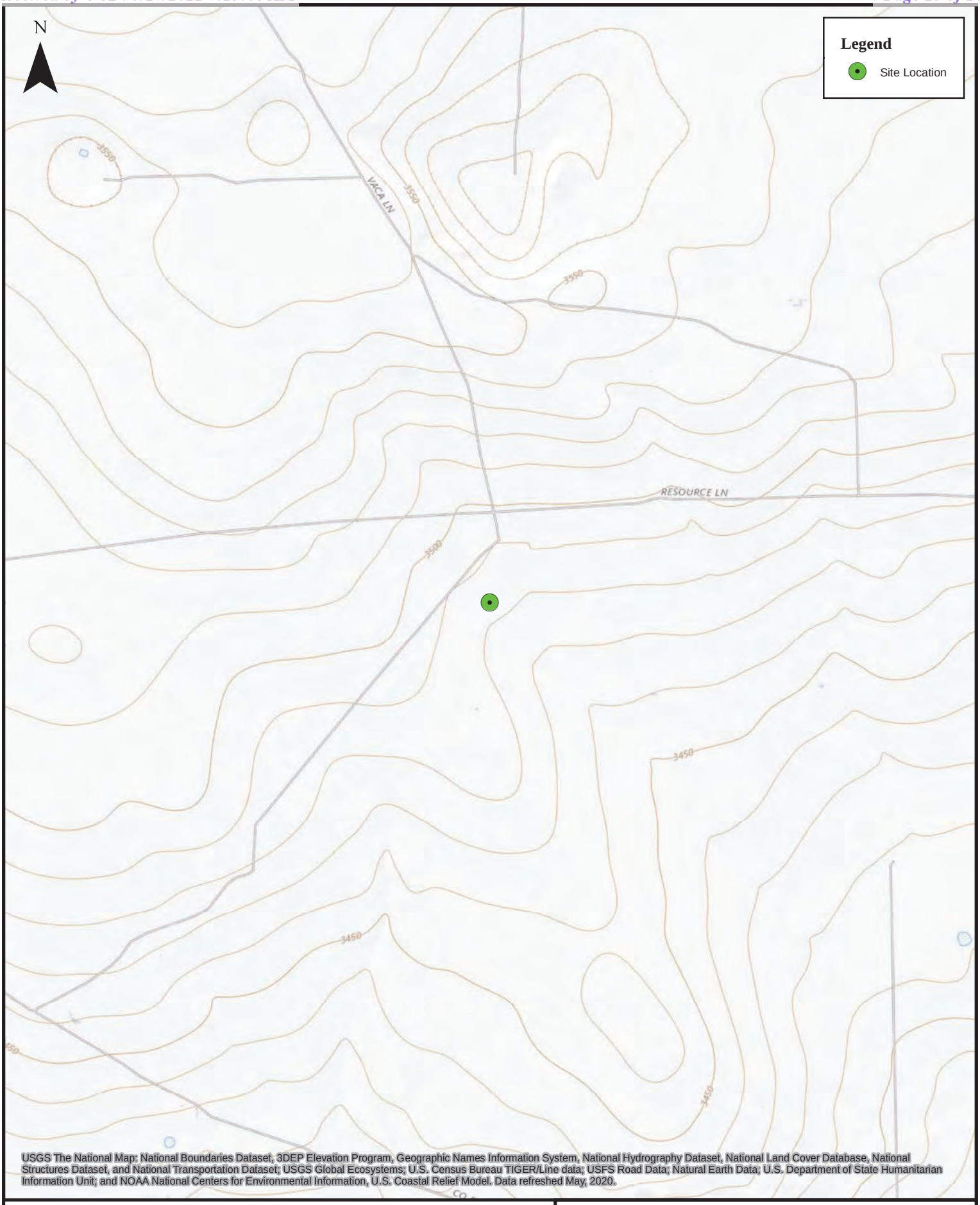
Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 85711
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	3/4/2022

FIGURES

Topographic Map
Area Map
Water Well Location Map
National Wetland Inventory Map
Karst Topography Map
Confirmation Soil Sample Location Map



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

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

1:24,000

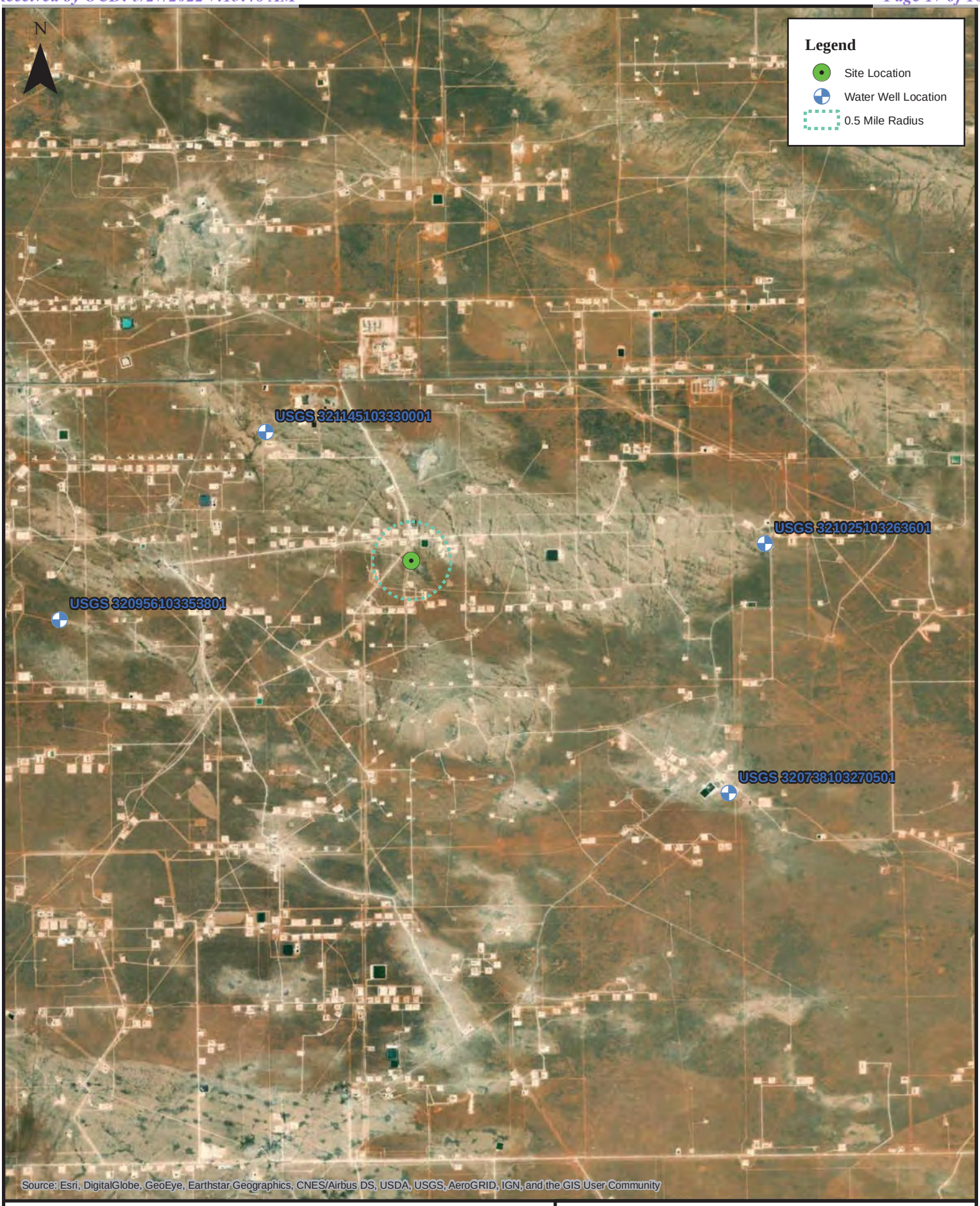
Topographic Map
Dragon Riser
EOG Resources, Inc.

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Area Map
Dragon Riser
EOG Resources, Inc.

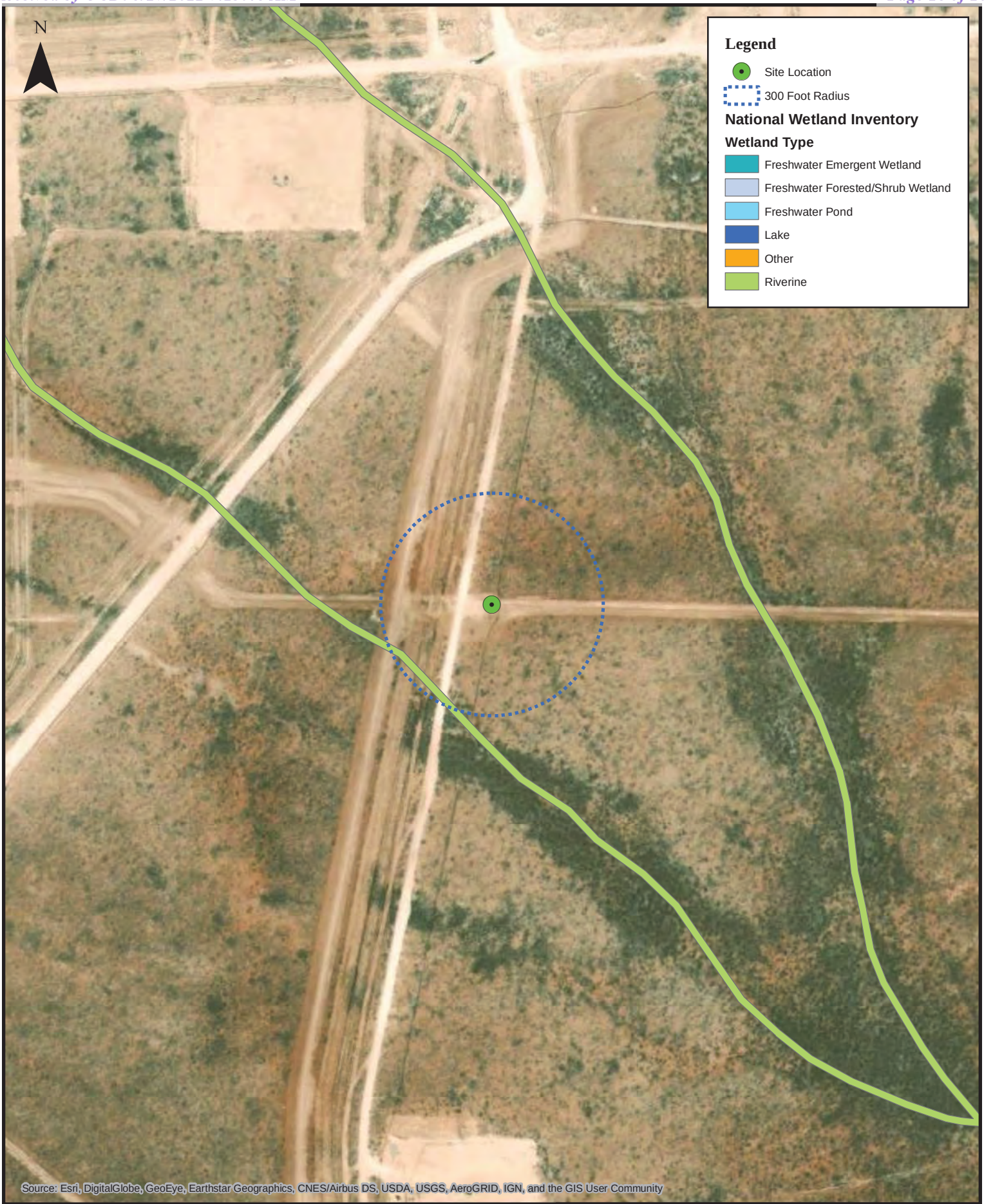


RANGER ENVIRONMENTAL SERVICES, INC.

0 2,500 5,000 10,000 15,000 20,000 Feet

1:100,000

Water Well Location Map
Dragon Riser
EOG Resources, Inc.



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0 100 200 400 600 800 Feet

1:4,000

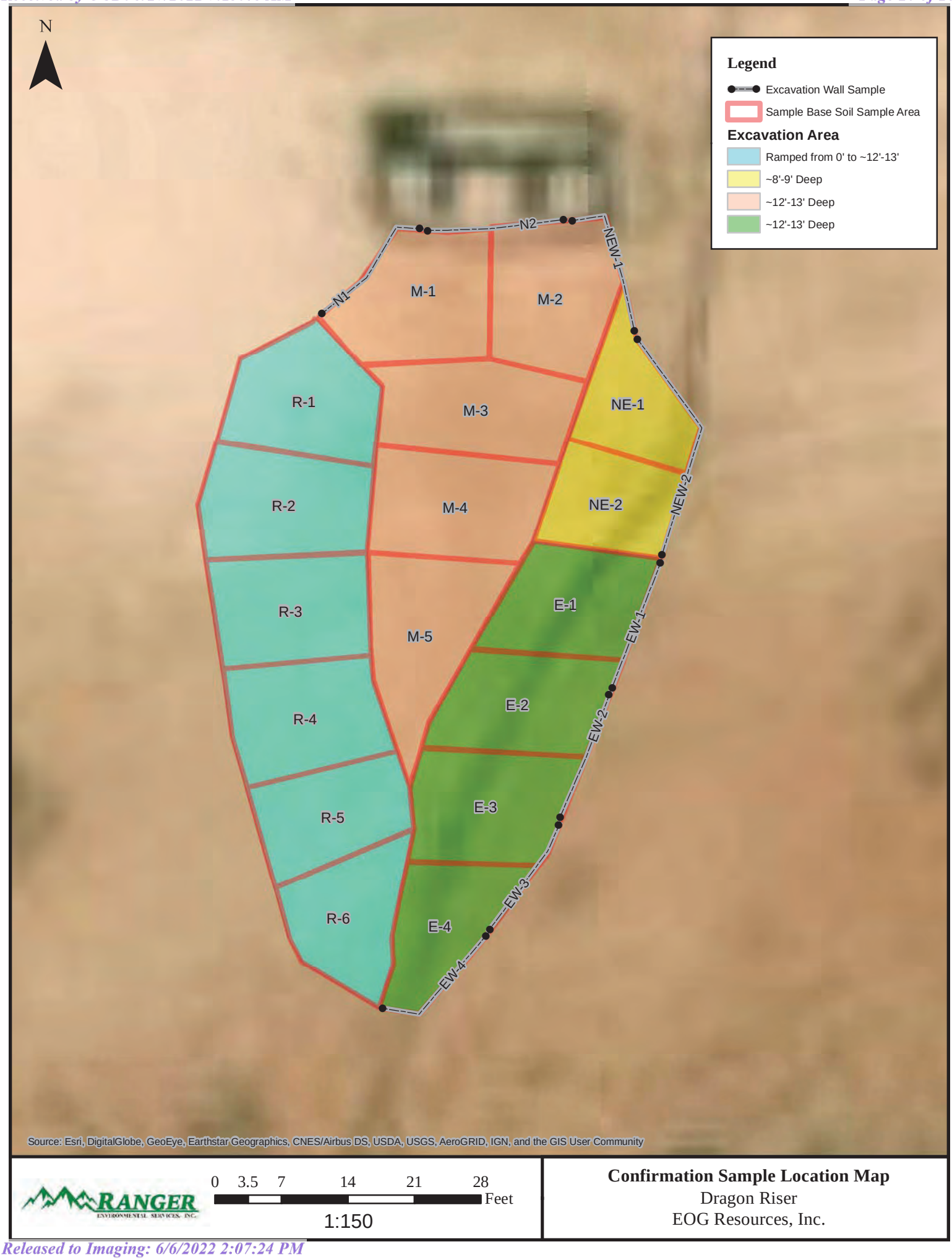
National Wetland Inventory Map
Dragon Riser
EOG Resources, Inc.

RANGER ENVIRONMENTAL SERVICES, INC.

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

1:10,000

Karst Topography Map
Dragon Riser
EOG Resources, Inc.



RANGER ENVIRONMENTAL SERVICES, INC.

0 3.5 7 14 21 28 Feet

1:150

Confirmation Sample Location Map
Dragon Riser
EOG Resources, Inc.

TABLES

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

CONFIRMATION SOIL SAMPLE BTEX (EPA 8021), TPH (SW 8015) & CHLORIDE (EPA 300) ANALYTICAL DATA
EOG MIDLAND
DRAGON RISER SPILL

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

SAMPLE ID	DATE	DEPTH (FT)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C6-C10	TPH DRO C10-C28	TPH MRO C28-C36	TPH (GRO+DRO)	TPH (GRO+DRO+ MRO)	CHLORIDE
E-1	4/9/2022	13'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	19.7J	<15.0	19.7J	19.7J	101
E-2	4/9/2022	13'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<14.9	19.6J	<14.9	19.6J	19.6J	175
E-3	4/9/2022	12'	<0.000383	0.000796J	<0.000562	<0.00100	<0.00101	<15.0	18.6J	<15.0	18.6J	18.6J	54.6
E-4	4/9/2022	12'	<0.000385	<0.000456	<0.000565	<0.00101	<0.00101	<15.0	20.8J	<15.0	20.8J	20.8J	64.2
EW-1	4/9/2022	0-13'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00101	<15.0	22.7J	<15.0	22.7J	22.7J	216
EW-2	4/9/2022	0-13'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<14.9	20.7J	<14.9	20.7J	20.7J	213
EW-3	4/9/2022	0-12'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00101	<15.0	21.0J	<15.0	21.0J	21.0J	23.3
EW-4	4/9/2022	0-12'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	21.4J	<15.0	21.4J	21.4J	22.8
M-1	4/9/2022	12'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<15.0	20.2J	<15.0	20.2J	20.2J	114
M-2	4/9/2022	13'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00101	<15.0	19.4J	<15.0	19.4J	19.4J	139
M-3	4/9/2022	12'-13'	<0.000389	<0.000461	<0.000571	<0.00102	<0.00101	<15.0	19.6J	<15.0	19.6J	19.6J	137
M-4	4/9/2022	12'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	<15.0	19.5J	<15.0	19.5J	19.5J	217
M-5	4/9/2022	12'	<0.000387	<0.000459	<0.000568	<0.00102	<0.00101	<15.0	19.7J	<15.0	19.7J	19.7J	114
N-1	4/9/2022	0-13'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<14.9	22.8J	<14.9	22.8J	22.8J	37.6
N-2	4/9/2022	0-13'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	21.4J	<15.0	21.4J	21.4J	101
NE-1	4/9/2022	8'-9'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	<15.0	20.3J	<15.0	20.3J	20.3J	410
NE-2	4/9/2022	8'-9'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	<15.0	19.4J	<15.0	19.4J	19.4J	177
NEW-1	4/9/2022	0-13'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	23.1J	<15.0	23.1J	23.1J	116
NEW-2	4/9/2022	0-8'	<0.000387	<0.000458	<0.000567	<0.00101	<0.00101	<15.0	24.1J	<15.0	24.1J	24.1J	152
R-1	4/9/2022	0-13'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	21.1J	<15.0	21.1J	21.1J	164
R-2	4/9/2022	0-13'	<0.000383	<0.000453	<0.000562	<0.00100	<0.00101	<14.9	22.2J	<14.9	22.2J	22.2J	6.13
R-3	4/9/2022	0-13'	<0.000384	<0.000455	<0.000564	<0.00101	<0.00101	38.7J	35.4J	<15.0	74.1	74.1	6.9
R-4	4/9/2022	0-12'	<0.000383	<0.000454	<0.000563	<0.00101	<0.00101	<15.0	18.5J	<15.0	18.5J	18.5J	66.2
R-5	4/9/2022	0-12'	<0.000388	<0.000460	<0.000570	<0.00102	<0.00101	<15.0	21.0J	<15.0	21.0J	21.0J	105
R-6	4/9/2022	0-12'	<0.000386	<0.000457	<0.000566	<0.00101	<0.00101	16.5J	20.1J	<14.9	36.6J	36.6J	14.3
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW > 100')			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**
19.15.29.13 NMAC Reclamation Criteria (0'-4' Soils Only)			**10**	**---**	**---**	**---**	**50**	**---**	**---**	**---**	**---**	**100**	**600**

Notes:

1. Results exceeding the Table 1 Closure Criteria are presented in bold red font with orange highlighting. Results in the 0'-4' depth interval that are in excess of the Reclamation Criteria are presented in bold blue font with orange highlighting.

Laboratory Report Qualifiers:

B = Compound was found in blank and sample

J = Result is less than the reporting limit but greater than or equal to the method detection limit and the concentration is an approximate value

F1 = Matrix spike and/or matrix spike duplicate recovery exceeds control limits

***1 = Laboratory control sample/laboratory control sample duplicate relative percent difference exceeds control limits**

ATTACHMENT 1 – DEPTH-TO-GROUNDWATER DATA

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321145103330001

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

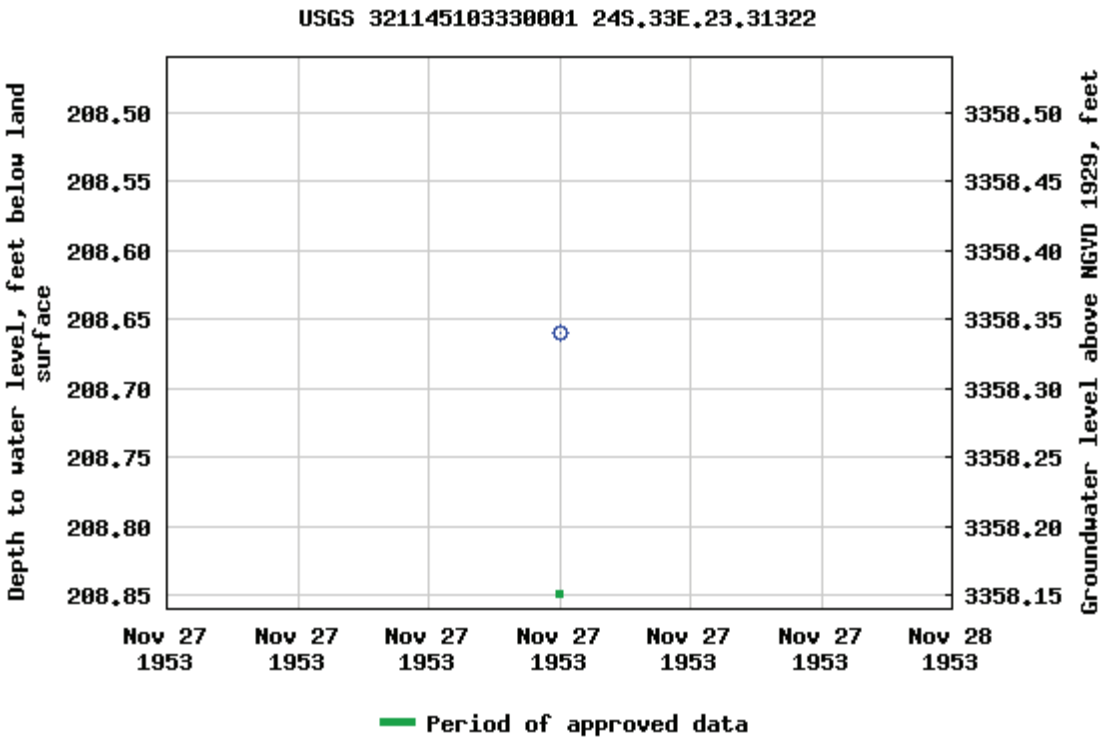
USGS 321145103330001 24S.33E.23.31322

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°12'03.2", Longitude 103°33'03.20" NAD83
Land-surface elevation 3,567.00 feet above NGVD29
The depth of the well is 232 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
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Subscribe for system changes
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National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320738103270501

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

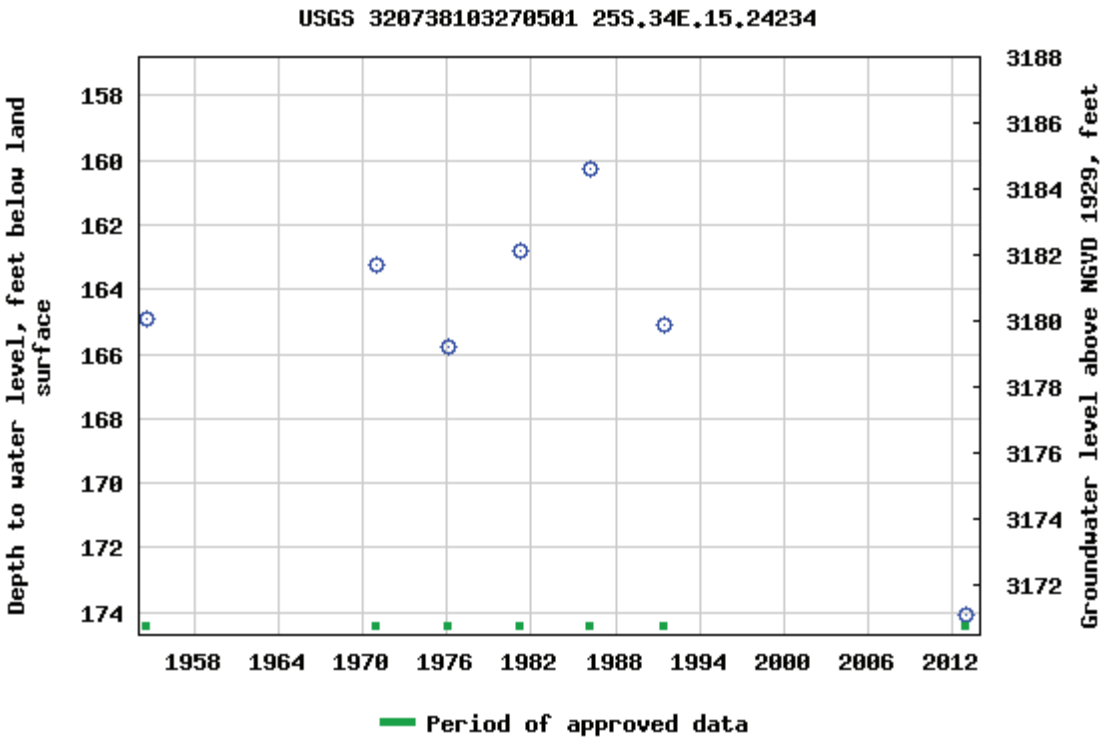
USGS 320738103270501 25S.34E.15.24234

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°07'57.1", Longitude 103°27'02.4" NAD83
Land-surface elevation 3,345.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-28 14:17:45 EDT
0.66 0.6 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 320956103353801

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

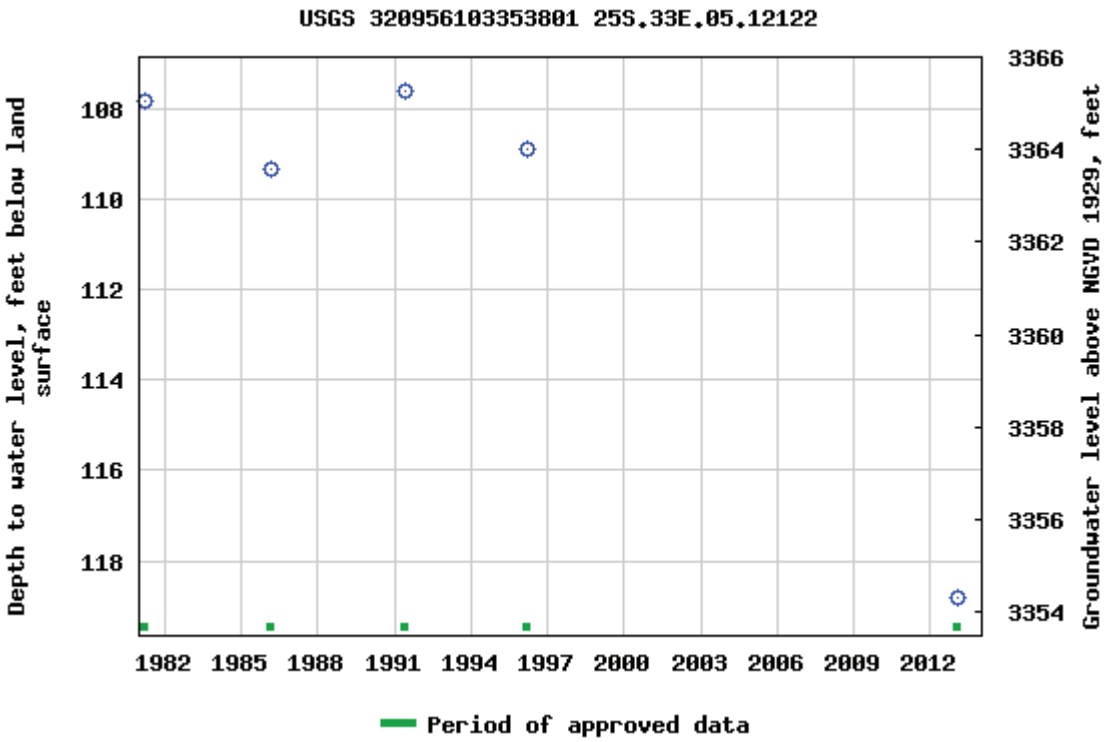
USGS 320956103353801 25S.33E.05.12122

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°09'59.4", Longitude 103°35'47.2" NAD83
Land-surface elevation 3,473.00 feet above NGVD29
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Santa Rosa Sandstone (231SNRS) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-28 14:16:04 EDT
0.68 0.59 nadww01

National Water Information System: Web Interface

USGS Water Resources

Data Category: Groundwater | Geographic Area: United States | GO

Click to hideNews Bulletins

- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

site_no list =

- 321025103263601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

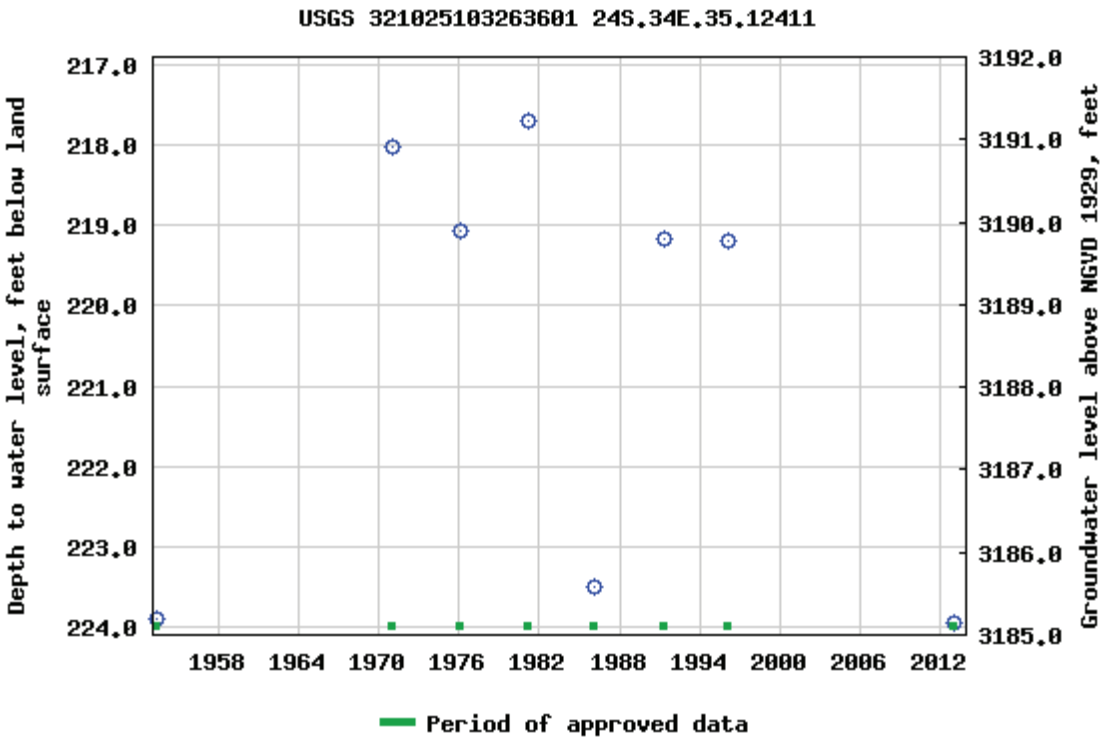
USGS 321025103263601 24S.34E.35.12411

Available data for this site | Groundwater: Field measurements | GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°10'44.0", Longitude 103°26'31.2" NAD83
Land-surface elevation 3,409.00 feet above NGVD29
The depth of the well is 257 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Ogallala Formation (121OGLL) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period



Breaks in the plot represent a gap of at least one year between field measurements.
Download a presentation-quality graph

Questions about sites/data?
Feedback on this web site
Automated retrievals
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Data Tips
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Title: Groundwater for USA: Water Levels
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-04-28 14:18:14 EDT
0.7 0.6 nadww01

ATTACHMENT 2 – PHOTOGRAPHIC DOCUMENTATION

PHOTOGRAPH NO. 1 – A view of the excavation/remediation area at the Site during the April 9, 2022 confirmation sampling activities. The view is towards the north.

(Approximate GPS Coordinates: 32.176315, -103.519445)

PHOTOGRAPH NO. 2 – An additional view of the excavation/remediation area at the Site. during the April 9, 2022 confirmation sampling activities. The view is towards the southwest.

(Approximate GPS Coordinates: 32.176561, -103.519330)

ATTACHMENT 3 – LABORATORY ANALYTICAL REPORT

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 890-2177-1
Laboratory Sample Delivery Group: 5198
Client Project/Site: Dragon Riser
Revision: 1

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

Attn: Max Cook

Holly Taylor

Authorized for release by:
4/25/2022 5:15:46 PM

Holly Taylor, Project Manager
(806)794-1296
Holly.Taylor@et.eurofinsus.com

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: Dragon Riser

Laboratory Job ID: 890-2177-1
SDG: 5198

Table of Contents

Definitions/Glossary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
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.
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, 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.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Job ID: 890-2177-1

Laboratory: Eurofins Carlsbad

Narrative

Job Narrative
890-2177-1

Comments
No additional comments.

Revision
The report being provided is a revision of the original report sent on 4/20/2022. The report (revision 1) is being revised to give all results to the MDL per Max Cook (email)..

Receipt
The samples were received on 4/11/2022 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.4º C.

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-23437 and 880-23437 and analytical batch 880-23428 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-23428 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 880-23428/50).

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-23511, 880-23511 and 880-23511 and analytical batch 880-23503 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

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 880-23410 and analytical batch 880-23357 contained <AffectedAnalytes> 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 method blank for preparation batch 880-23395 and analytical batch 880-23429 contained <AffectedAnalytes> 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 880-23395 and analytical batch 880-23429 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.

General Chemistry
Method 300.0: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-23374 and analytical batch 880-23559 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.

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

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

Case Narrative

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Job ID: 890-2177-1 (Continued)

Laboratory: Eurofins Carlsbad (Continued)

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: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: NEW-1
Date Collected: 04/09/22 16:56
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-1
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		04/12/22 14:43	04/13/22 03:21	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		04/12/22 14:43	04/13/22 03:21	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		04/12/22 14:43	04/13/22 03:21	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		04/12/22 14:43	04/13/22 03:21	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		04/12/22 14:43	04/13/22 03:21	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/12/22 14:43	04/13/22 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/12/22 14:43*	*04/13/22 03:21*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/12/22 14:43*	*04/13/22 03:21*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**23.1**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/11/22 20:57	1
Diesel Range Organics (Over C10-C28)	**23.1**	**J**	49.9	15.0	mg/Kg		04/11/22 15:16	04/11/22 20:57	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/11/22 15:16	04/11/22 20:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/11/22 15:16*	*04/11/22 20:57*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/11/22 15:16*	*04/11/22 20:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		5.04	0.865	mg/Kg			04/19/22 11:01	1

Client Sample ID: NEW-2
Date Collected: 04/09/22 16:59
Date Received: 04/11/22 08:00
Sample Depth: 0 - 8

Lab Sample ID: 890-2177-2
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		04/12/22 14:43	04/13/22 03:42	1
Toluene	<0.000458	U	0.00201	0.000458	mg/Kg		04/12/22 14:43	04/13/22 03:42	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		04/12/22 14:43	04/13/22 03:42	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		04/12/22 14:43	04/13/22 03:42	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		04/12/22 14:43	04/13/22 03:42	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		04/12/22 14:43	04/13/22 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/12/22 14:43*	*04/13/22 03:42*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: NEW-2

Date Collected: 04/09/22 16:59
Date Received: 04/11/22 08:00
Sample Depth: 0 - 8

Lab Sample ID: 890-2177-2
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/12/22 14:43*	*04/13/22 03:42*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**24.1**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/11/22 21:57	1
Diesel Range Organics (Over C10-C28)	**24.1**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 21:57	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 21:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*96*		*70 - 130*	*04/11/22 15:16*	*04/11/22 21:57*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/11/22 15:16*	*04/11/22 21:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**152**		5.03	0.863	mg/Kg			04/19/22 11:10	1

Client Sample ID: EW-1

Date Collected: 04/09/22 12:00
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-3
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		04/12/22 14:43	04/13/22 05:32	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		04/12/22 14:43	04/13/22 05:32	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		04/12/22 14:43	04/13/22 05:32	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg		04/12/22 14:43	04/13/22 05:32	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		04/12/22 14:43	04/13/22 05:32	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		04/12/22 14:43	04/13/22 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/12/22 14:43*	*04/13/22 05:32*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/12/22 14:43*	*04/13/22 05:32*	*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			04/13/22 10:19	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			04/12/22 12:12	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: EW-1

Date Collected: 04/09/22 12:00
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-3
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		04/11/22 15:16	04/11/22 22:17	1
Diesel Range Organics (Over C10-C28)	**22.7**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 22:17	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 22:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:17*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:17*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**216**		24.9	4.27	mg/Kg			04/15/22 08:28	5

Client Sample ID: EW-2

Date Collected: 04/09/22 17:04
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-4
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		04/12/22 14:43	04/13/22 05:52	1
Toluene	<0.000455	U	0.00200	0.000455	mg/Kg		04/12/22 14:43	04/13/22 05:52	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		04/12/22 14:43	04/13/22 05:52	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		04/12/22 14:43	04/13/22 05:52	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		04/12/22 14:43	04/13/22 05:52	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/12/22 14:43	04/13/22 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/12/22 14:43*	*04/13/22 05:52*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/12/22 14:43*	*04/13/22 05:52*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.7**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 22:37	1
Diesel Range Organics (Over C10-C28)	**20.7**	**J**	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 22:37	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 22:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:37*	*1*
o-Terphenyl	*114*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:37*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: EW-2

Lab Sample ID: 890-2177-4
Matrix: Solid
Date Collected: 04/09/22 17:04
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	213		25.0	4.29	mg/Kg			04/15/22 08:56	5

Client Sample ID: EW-3

Lab Sample ID: 890-2177-5
Matrix: Solid
Date Collected: 04/09/22 17:08
Date Received: 04/11/22 08:00
Sample Depth: 0 - 12

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		04/12/22 14:43	04/13/22 06:12	1
Toluene	<0.000453	U	0.00199	0.000453	mg/Kg		04/12/22 14:43	04/13/22 06:12	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		04/12/22 14:43	04/13/22 06:12	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg		04/12/22 14:43	04/13/22 06:12	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		04/12/22 14:43	04/13/22 06:12	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		04/12/22 14:43	04/13/22 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*04/12/22 14:43*	*04/13/22 06:12*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*04/12/22 14:43*	*04/13/22 06:12*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	21.0	J	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/11/22 22:57	1
Diesel Range Organics (Over C10-C28)	21.0	J	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 22:57	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 22:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:57*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/11/22 15:16*	*04/11/22 22:57*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	23.3		4.96	0.851	mg/Kg			04/15/22 09:05	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: EW-4

Date Collected: 04/09/22 17:10
Date Received: 04/11/22 08:00
Sample Depth: 0 - 12

Lab Sample ID: 890-2177-6
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		04/12/22 14:43	04/13/22 06:33	1
Toluene	<0.000454	U	0.00199	0.000454	mg/Kg		04/12/22 14:43	04/13/22 06:33	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		04/12/22 14:43	04/13/22 06:33	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		04/12/22 14:43	04/13/22 06:33	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		04/12/22 14:43	04/13/22 06:33	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/12/22 14:43	04/13/22 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/12/22 14:43*	*04/13/22 06:33*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/12/22 14:43*	*04/13/22 06:33*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.4**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/11/22 23:18	1
Diesel Range Organics (Over C10-C28)	**21.4**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 23:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 23:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:18*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:18*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22.8**		5.01	0.860	mg/Kg			04/15/22 09:33	1

Client Sample ID: N-1

Date Collected: 04/09/22 17:20
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-7
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		04/13/22 09:33	04/13/22 13:23	1
Toluene	<0.000458	U *+	0.00201	0.000458	mg/Kg		04/13/22 09:33	04/13/22 13:23	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		04/13/22 09:33	04/13/22 13:23	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		04/13/22 09:33	04/13/22 13:23	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		04/13/22 09:33	04/13/22 13:23	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		04/13/22 09:33	04/13/22 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/13/22 09:33*	*04/13/22 13:23*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: N-1

Date Collected: 04/09/22 17:20
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-7
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/13/22 09:33*	*04/13/22 13:23*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.8**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 23:38	1
Diesel Range Organics (Over C10-C28)	**22.8**	**J**	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 23:38	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/11/22 23:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:38*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**37.6**		4.97	0.853	mg/Kg			04/15/22 09:42	1

Client Sample ID: N-2

Date Collected: 04/09/22 17:25
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-8
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		04/13/22 09:33	04/13/22 13:43	1
Toluene	<0.000455	U *+	0.00200	0.000455	mg/Kg		04/13/22 09:33	04/13/22 13:43	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		04/13/22 09:33	04/13/22 13:43	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 09:33	04/13/22 13:43	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		04/13/22 09:33	04/13/22 13:43	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 09:33	04/13/22 13:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/13/22 09:33*	*04/13/22 13:43*	*1*
1,4-Difluorobenzene (Surr)	*89*		*70 - 130*	*04/13/22 09:33*	*04/13/22 13:43*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.4**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: N-2
Date Collected: 04/09/22 17:25
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-8
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		04/11/22 15:16	04/11/22 23:58	1
Diesel Range Organics (Over C10-C28)	**21.4**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 23:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 23:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*86*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:58*	*1*
o-Terphenyl	*97*		*70 - 130*	*04/11/22 15:16*	*04/11/22 23:58*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**101**		4.95	0.850	mg/Kg			04/15/22 09:51	1

Client Sample ID: R-1
Date Collected: 04/09/22 16:15
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-9
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		04/13/22 09:33	04/13/22 14:04	1
Toluene	<0.000454	U *+	0.00199	0.000454	mg/Kg		04/13/22 09:33	04/13/22 14:04	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		04/13/22 09:33	04/13/22 14:04	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 09:33	04/13/22 14:04	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		04/13/22 09:33	04/13/22 14:04	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 09:33	04/13/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*269*	*S1+*	*70 - 130*	*04/13/22 09:33*	*04/13/22 14:04*	*1*
1,4-Difluorobenzene (Surr)	*260*	*S1+*	*70 - 130*	*04/13/22 09:33*	*04/13/22 14:04*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.1**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/12/22 00:18	1
Diesel Range Organics (Over C10-C28)	**21.1**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 00:18	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 00:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/11/22 15:16*	*04/12/22 00:18*	*1*
o-Terphenyl	*91*		*70 - 130*	*04/11/22 15:16*	*04/12/22 00:18*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-1

Lab Sample ID: 890-2177-9
Matrix: Solid

Date Collected: 04/09/22 16:15
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**164**		4.99	0.857	mg/Kg			04/15/22 10:01	1

Client Sample ID: R-2

Lab Sample ID: 890-2177-10
Matrix: Solid

Date Collected: 04/09/22 16:17
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

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		04/13/22 09:33	04/13/22 14:24	1
Toluene	<0.000453	U *+	0.00199	0.000453	mg/Kg		04/13/22 09:33	04/13/22 14:24	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		04/13/22 09:33	04/13/22 14:24	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg		04/13/22 09:33	04/13/22 14:24	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		04/13/22 09:33	04/13/22 14:24	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		04/13/22 09:33	04/13/22 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/13/22 09:33*	*04/13/22 14:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/13/22 09:33*	*04/13/22 14:24*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**22.2**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 00:38	1
Diesel Range Organics (Over C10-C28)	**22.2**	**J**	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 00:38	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/11/22 15:16*	*04/12/22 00:38*	*1*
o-Terphenyl	*88*		*70 - 130*	*04/11/22 15:16*	*04/12/22 00:38*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.13**		5.00	0.858	mg/Kg			04/15/22 10:10	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-3

Date Collected: 04/09/22 16:24
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-11
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		04/13/22 09:33	04/13/22 14:44	1
Toluene	<0.000455	U *+	0.00200	0.000455	mg/Kg		04/13/22 09:33	04/13/22 14:44	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		04/13/22 09:33	04/13/22 14:44	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 09:33	04/13/22 14:44	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		04/13/22 09:33	04/13/22 14:44	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 09:33	04/13/22 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*04/13/22 09:33*	*04/13/22 14:44*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*04/13/22 09:33*	*04/13/22 14:44*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**74.1**		50.0	15.0	mg/Kg			04/12/22 12:12	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	**38.7**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:19	1
Diesel Range Organics (Over C10-C28)	**35.4**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:19	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:19*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:19*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**6.90**		5.05	0.867	mg/Kg			04/15/22 10:19	1

Client Sample ID: R-4

Date Collected: 04/09/22 16:30
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-12
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		04/13/22 09:33	04/13/22 17:28	1
Toluene	<0.000454	U *+	0.00199	0.000454	mg/Kg		04/13/22 09:33	04/13/22 17:28	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		04/13/22 09:33	04/13/22 17:28	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 09:33	04/13/22 17:28	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		04/13/22 09:33	04/13/22 17:28	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 09:33	04/13/22 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/13/22 09:33*	*04/13/22 17:28*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-4

Date Collected: 04/09/22 16:30
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-12
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/13/22 09:33*	*04/13/22 17:28*	*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			04/13/22 10:19	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**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/11/22 15:16	04/12/22 01:39	1
Diesel Range Organics (Over C10-C28)	**18.5**	**J**	49.9	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:39	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:39*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:39*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**66.2**		4.97	0.853	mg/Kg			04/15/22 17:00	1

Client Sample ID: R-5

Date Collected: 04/09/22 16:32
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-13
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		04/12/22 14:39	04/13/22 02:45	1
Toluene	<0.000460	U	0.00202	0.000460	mg/Kg		04/12/22 14:39	04/13/22 02:45	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		04/12/22 14:39	04/13/22 02:45	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg		04/12/22 14:39	04/13/22 02:45	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		04/12/22 14:39	04/13/22 02:45	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		04/12/22 14:39	04/13/22 02:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/12/22 14:39*	*04/13/22 02:45*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/12/22 14:39*	*04/13/22 02:45*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**21.0**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-5

Date Collected: 04/09/22 16:32
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-13
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		04/11/22 15:16	04/12/22 01:59	1
Diesel Range Organics (Over C10-C28)	**21.0**	**J**	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:59	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/12/22 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:59*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/11/22 15:16*	*04/12/22 01:59*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**	**F1**	4.99	0.857	mg/Kg			04/15/22 11:17	1

Client Sample ID: R-6

Date Collected: 04/09/22 16:34
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-14
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		04/12/22 14:39	04/13/22 03:06	1
Toluene	<0.000457	U	0.00200	0.000457	mg/Kg		04/12/22 14:39	04/13/22 03:06	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		04/12/22 14:39	04/13/22 03:06	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		04/12/22 14:39	04/13/22 03:06	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		04/12/22 14:39	04/13/22 03:06	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		04/12/22 14:39	04/13/22 03:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*04/12/22 14:39*	*04/13/22 03:06*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*04/12/22 14:39*	*04/13/22 03:06*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**36.6**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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	**16.5**	**J**	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 02:20	1
Diesel Range Organics (Over C10-C28)	**20.1**	**J**	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 02:20	1
OII Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		04/11/22 15:16	04/12/22 02:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/11/22 15:16*	*04/12/22 02:20*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/11/22 15:16*	*04/12/22 02:20*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-6

Lab Sample ID: 890-2177-14
Matrix: Solid

Date Collected: 04/09/22 16:34
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	14.3		4.95	0.850	mg/Kg			04/14/22 23:27	1

Client Sample ID: M-1

Lab Sample ID: 890-2177-15
Matrix: Solid

Date Collected: 04/09/22 16:08
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U *- *1	0.00201	0.000387	mg/Kg		04/13/22 15:41	04/14/22 01:58	1
Toluene	<0.000458	U *- *1	0.00201	0.000458	mg/Kg		04/13/22 15:41	04/14/22 01:58	1
Ethylbenzene	<0.000567	U	0.00201	0.000567	mg/Kg		04/13/22 15:41	04/14/22 01:58	1
m,p-Xylenes	<0.00101	U	0.00402	0.00101	mg/Kg		04/13/22 15:41	04/14/22 01:58	1
o-Xylene	<0.000345	U	0.00201	0.000345	mg/Kg		04/13/22 15:41	04/14/22 01:58	1
Xylenes, Total	<0.00101	U	0.00402	0.00101	mg/Kg		04/13/22 15:41	04/14/22 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/13/22 15:41*	*04/14/22 01:58*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 01:58*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	20.2	J	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 13:16	04/13/22 17:00	1
Diesel Range Organics (Over C10-C28)	20.2	J B	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:00	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:00*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		5.00	0.858	mg/Kg			04/16/22 16:55	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: M-2

Date Collected: 04/09/22 16:09
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-16
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000388	U *- *1	0.00202	0.000388	mg/Kg		04/13/22 15:41	04/14/22 02:18	1
Toluene	<0.000460	U *- *1	0.00202	0.000460	mg/Kg		04/13/22 15:41	04/14/22 02:18	1
Ethylbenzene	<0.000570	U	0.00202	0.000570	mg/Kg		04/13/22 15:41	04/14/22 02:18	1
m,p-Xylenes	<0.00102	U	0.00403	0.00102	mg/Kg		04/13/22 15:41	04/14/22 02:18	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		04/13/22 15:41	04/14/22 02:18	1
Xylenes, Total	<0.00102	U	0.00403	0.00102	mg/Kg		04/13/22 15:41	04/14/22 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/13/22 15:41*	*04/14/22 02:18*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/13/22 15:41*	*04/14/22 02:18*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.4**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 13:16	04/13/22 17:21	1
Diesel Range Organics (Over C10-C28)	**19.4**	**J B**	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:21	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:21*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:21*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**139**		4.99	0.857	mg/Kg			04/16/22 17:21	1

Client Sample ID: M-3

Date Collected: 04/09/22 16:02
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-17
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000389	U *- *1	0.00202	0.000389	mg/Kg		04/13/22 15:41	04/14/22 04:00	1
Toluene	<0.000461	U *- *1	0.00202	0.000461	mg/Kg		04/13/22 15:41	04/14/22 04:00	1
Ethylbenzene	<0.000571	U	0.00202	0.000571	mg/Kg		04/13/22 15:41	04/14/22 04:00	1
m,p-Xylenes	<0.00102	U	0.00404	0.00102	mg/Kg		04/13/22 15:41	04/14/22 04:00	1
o-Xylene	<0.000347	U	0.00202	0.000347	mg/Kg		04/13/22 15:41	04/14/22 04:00	1
Xylenes, Total	<0.00102	U	0.00404	0.00102	mg/Kg		04/13/22 15:41	04/14/22 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:00*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: M-3
Date Collected: 04/09/22 16:02
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-17
Matrix: Solid

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:00*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.6**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 13:16	04/13/22 17:42	1
Diesel Range Organics (Over C10-C28)	**19.6**	**J B**	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:42	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*102*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:42*	*1*
o-Terphenyl	*119*		*70 - 130*	*04/12/22 13:16*	*04/13/22 17:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**137**		4.95	0.850	mg/Kg			04/16/22 17:30	1

Client Sample ID: M-4
Date Collected: 04/09/22 16:12
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-18
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U *- *1	0.00200	0.000386	mg/Kg		04/13/22 15:41	04/14/22 04:20	1
Toluene	<0.000457	U *- *1	0.00200	0.000457	mg/Kg		04/13/22 15:41	04/14/22 04:20	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		04/13/22 15:41	04/14/22 04:20	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		04/13/22 15:41	04/14/22 04:20	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		04/13/22 15:41	04/14/22 04:20	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		04/13/22 15:41	04/14/22 04:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:20*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:20*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.5**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	1

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Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: M-4

Date Collected: 04/09/22 16:12
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-18
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		04/12/22 13:16	04/13/22 18:03	1
Diesel Range Organics (Over C10-C28)	**19.5**	**J B**	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:03	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:03*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:03*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**217**		4.95	0.850	mg/Kg			04/16/22 17:57	1

Client Sample ID: M-5

Date Collected: 04/09/22 16:20
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-19
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000387	U *- *1	0.00201	0.000387	mg/Kg		04/13/22 15:41	04/14/22 04:41	1
Toluene	<0.000459	U *- *1	0.00201	0.000459	mg/Kg		04/13/22 15:41	04/14/22 04:41	1
Ethylbenzene	<0.000568	U	0.00201	0.000568	mg/Kg		04/13/22 15:41	04/14/22 04:41	1
m,p-Xylenes	<0.00102	U	0.00402	0.00102	mg/Kg		04/13/22 15:41	04/14/22 04:41	1
o-Xylene	<0.000346	U	0.00201	0.000346	mg/Kg		04/13/22 15:41	04/14/22 04:41	1
Xylenes, Total	<0.00102	U	0.00402	0.00102	mg/Kg		04/13/22 15:41	04/14/22 04:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:41*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/13/22 15:41*	*04/14/22 04:41*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.7**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 13:16	04/13/22 18:23	1
Diesel Range Organics (Over C10-C28)	**19.7**	**J B**	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:23	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*83*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:23*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:23*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: M-5
Date Collected: 04/09/22 16:20
Date Received: 04/11/22 08:00
Sample Depth: 0 - 13

Lab Sample ID: 890-2177-19
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	114		4.97	0.853	mg/Kg			04/16/22 18:05	1

Client Sample ID: E-1
Date Collected: 04/09/22 16:49
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-20
Matrix: Solid

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000384	U *- *1	0.00200	0.000384	mg/Kg		04/13/22 15:41	04/14/22 05:01	1
Toluene	<0.000455	U *- *1	0.00200	0.000455	mg/Kg		04/13/22 15:41	04/14/22 05:01	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		04/13/22 15:41	04/14/22 05:01	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 15:41	04/14/22 05:01	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		04/13/22 15:41	04/14/22 05:01	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/13/22 15:41	04/14/22 05:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:01*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:01*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.7	J	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 13:16	04/13/22 18:44	1
Diesel Range Organics (Over C10-C28)	19.7	J B	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:44	1
Oil Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/12/22 13:16	04/13/22 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:44*	*1*
o-Terphenyl	*99*		*70 - 130*	*04/12/22 13:16*	*04/13/22 18:44*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	101		4.97	0.853	mg/Kg			04/16/22 18:14	1

Client Sample ID: E-2
Date Collected: 04/09/22 16:42
Date Received: 04/11/22 08:00
Sample Depth: 13

Lab Sample ID: 890-2177-21
Matrix: Solid

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		04/13/22 15:41	04/14/22 05:22	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: E-2

Date Collected: 04/09/22 16:42
Date Received: 04/11/22 08:00
Sample Depth: 13

Lab Sample ID: 890-2177-21
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.000454	U *- *1	0.00199	0.000454	mg/Kg		04/13/22 15:41	04/14/22 05:22	1
Ethylbenzene	<0.000563	U	0.00199	0.000563	mg/Kg		04/13/22 15:41	04/14/22 05:22	1
m,p-Xylenes	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 15:41	04/14/22 05:22	1
o-Xylene	<0.000343	U	0.00199	0.000343	mg/Kg		04/13/22 15:41	04/14/22 05:22	1
Xylenes, Total	<0.00101	U	0.00398	0.00101	mg/Kg		04/13/22 15:41	04/14/22 05:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:22*	*1*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:22*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**19.6**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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	<14.9	U	49.8	14.9	mg/Kg		04/12/22 13:16	04/13/22 19:05	1
Diesel Range Organics (Over C10-C28)	**19.6**	**J B**	49.8	14.9	mg/Kg		04/12/22 13:16	04/13/22 19:05	1
Oil Range Organics (Over C28-C36)	<14.9	U	49.8	14.9	mg/Kg		04/12/22 13:16	04/13/22 19:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*84*		*70 - 130*	*04/12/22 13:16*	*04/13/22 19:05*	*1*
o-Terphenyl	*96*		*70 - 130*	*04/12/22 13:16*	*04/13/22 19:05*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**175**		4.96	0.851	mg/Kg			04/17/22 09:00	1

Client Sample ID: E-3

Date Collected: 04/09/22 16:44
Date Received: 04/11/22 08:00
Sample Depth: 12

Lab Sample ID: 890-2177-22
Matrix: Solid

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		04/13/22 15:41	04/14/22 05:42	1
Toluene	**0.000796**	**J *- *1**	0.00199	0.000453	mg/Kg		04/13/22 15:41	04/14/22 05:42	1
Ethylbenzene	<0.000562	U	0.00199	0.000562	mg/Kg		04/13/22 15:41	04/14/22 05:42	1
m,p-Xylenes	<0.00100	U	0.00398	0.00100	mg/Kg		04/13/22 15:41	04/14/22 05:42	1
o-Xylene	<0.000342	U	0.00199	0.000342	mg/Kg		04/13/22 15:41	04/14/22 05:42	1
Xylenes, Total	<0.00100	U	0.00398	0.00100	mg/Kg		04/13/22 15:41	04/14/22 05:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:42*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 05:42*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: E-3

Lab Sample ID: 890-2177-22
Matrix: Solid
Date Collected: 04/09/22 16:44
Date Received: 04/11/22 08:00
Sample Depth: 12

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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**18.6**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 16:53	04/12/22 21:00	1
Diesel Range Organics (Over C10-C28)	**18.6**	**J B**	49.9	15.0	mg/Kg		04/12/22 16:53	04/12/22 21:00	1
OII Range Organics (Over C28-C36)	<15.0	U	49.9	15.0	mg/Kg		04/12/22 16:53	04/12/22 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*91*		*70 - 130*	*04/12/22 16:53*	*04/12/22 21:00*	*1*
o-Terphenyl	*109*		*70 - 130*	*04/12/22 16:53*	*04/12/22 21:00*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**54.6**		5.04	0.865	mg/Kg			04/17/22 09:09	1

Client Sample ID: E-4

Lab Sample ID: 890-2177-23
Matrix: Solid
Date Collected: 04/09/22 16:46
Date Received: 04/11/22 08:00
Sample Depth: 12

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U *- *1	0.00200	0.000385	mg/Kg		04/13/22 15:41	04/14/22 06:03	1
Toluene	<0.000456	U *- *1	0.00200	0.000456	mg/Kg		04/13/22 15:41	04/14/22 06:03	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/13/22 15:41	04/14/22 06:03	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 15:41	04/14/22 06:03	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/13/22 15:41	04/14/22 06:03	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 15:41	04/14/22 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*04/13/22 15:41*	*04/14/22 06:03*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*04/13/22 15:41*	*04/14/22 06:03*	*1*

Method: Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00101	U	0.00400	0.00101	mg/Kg			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.8**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 16:53	04/12/22 22:02	1

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: E-4

Lab Sample ID: 890-2177-23
Matrix: Solid
Date Collected: 04/09/22 16:46
Date Received: 04/11/22 08:00
Sample Depth: 12

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	**20.8**	**J B**	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:02	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:02*	*1*
o-Terphenyl	*98*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:02*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.2**		4.97	0.853	mg/Kg			04/17/22 09:18	1

Client Sample ID: NE-1

Lab Sample ID: 890-2177-24
Matrix: Solid
Date Collected: 04/09/22 16:50
Date Received: 04/11/22 08:00
Sample Depth: 8 - 9

Method: 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000386	U *- *1	0.00200	0.000386	mg/Kg		04/13/22 15:41	04/14/22 06:23	1
Toluene	<0.000457	U *- *1	0.00200	0.000457	mg/Kg		04/13/22 15:41	04/14/22 06:23	1
Ethylbenzene	<0.000566	U	0.00200	0.000566	mg/Kg		04/13/22 15:41	04/14/22 06:23	1
m,p-Xylenes	<0.00101	U	0.00401	0.00101	mg/Kg		04/13/22 15:41	04/14/22 06:23	1
o-Xylene	<0.000345	U	0.00200	0.000345	mg/Kg		04/13/22 15:41	04/14/22 06:23	1
Xylenes, Total	<0.00101	U	0.00401	0.00101	mg/Kg		04/13/22 15:41	04/14/22 06:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/13/22 15:41*	*04/14/22 06:23*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*04/13/22 15:41*	*04/14/22 06:23*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	**20.3**	**J**	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 16:53	04/12/22 22:22	1
Diesel Range Organics (Over C10-C28)	**20.3**	**J B**	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:22	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:22*	*1*
o-Terphenyl	*102*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:22*	*1*

Client Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: NE-1
Date Collected: 04/09/22 16:50
Date Received: 04/11/22 08:00
Sample Depth: 8 - 9

Lab Sample ID: 890-2177-24
Matrix: Solid

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	410		4.95	0.850	mg/Kg			04/17/22 09:27	1

Client Sample ID: NE-2
Date Collected: 04/09/22 16:52
Date Received: 04/11/22 08:00
Sample Depth: 8 - 9

Lab Sample ID: 890-2177-25
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		04/14/22 12:28	04/14/22 14:51	1
Toluene	<0.000455	U *+	0.00200	0.000455	mg/Kg		04/14/22 12:28	04/14/22 14:51	1
Ethylbenzene	<0.000564	U	0.00200	0.000564	mg/Kg		04/14/22 12:28	04/14/22 14:51	1
m,p-Xylenes	<0.00101	U	0.00399	0.00101	mg/Kg		04/14/22 12:28	04/14/22 14:51	1
o-Xylene	<0.000343	U	0.00200	0.000343	mg/Kg		04/14/22 12:28	04/14/22 14:51	1
Xylenes, Total	<0.00101	U	0.00399	0.00101	mg/Kg		04/14/22 12:28	04/14/22 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*04/14/22 12:28*	*04/14/22 14:51*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/14/22 12:28*	*04/14/22 14:51*	*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			04/13/22 10:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	19.4	J	50.0	15.0	mg/Kg			04/12/22 12:12	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		04/12/22 16:53	04/12/22 22:42	1
Diesel Range Organics (Over C10-C28)	19.4	J B	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:42	1
OII Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:42*	*1*
o-Terphenyl	*103*		*70 - 130*	*04/12/22 16:53*	*04/12/22 22:42*	*1*

Method: 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	177		5.05	0.867	mg/Kg			04/20/22 17:34	1

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
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)
890-2177-1	NEW-1	104	96
890-2177-2	NEW-2	103	97
890-2177-3	EW-1	105	96
890-2177-4	EW-2	107	97
890-2177-5	EW-3	107	102
890-2177-6	EW-4	104	100
890-2177-7	N-1	99	97
890-2177-8	N-2	101	89
890-2177-9	R-1	269 S1+	260 S1+
890-2177-10	R-2	101	96
890-2177-11	R-3	91	85
890-2177-12	R-4	102	100
890-2177-13	R-5	103	100
890-2177-14	R-6	98	88
890-2177-15	M-1	104	98
890-2177-16	M-2	105	99
890-2177-17	M-3	102	98
890-2177-18	M-4	102	98
890-2177-19	M-5	104	99
890-2177-20	E-1	103	98
890-2177-21	E-2	100	97
890-2177-22	E-3	102	98
890-2177-23	E-4	104	99
890-2177-24	NE-1	105	98
890-2177-25	NE-2	105	100
890-2177-25 MS	NE-2	106	94
890-2177-25 MSD	NE-2	103	94
LCS 880-23398/1-A	Lab Control Sample	103	101
LCS 880-23399/1-A	Lab Control Sample	99	103
LCS 880-23437/1-A	Lab Control Sample	97	101
LCS 880-23487/1-A	Lab Control Sample	120	104
LCS 880-23511/1-A	Lab Control Sample	100	100
LCSD 880-23398/2-A	Lab Control Sample Dup	98	99
LCSD 880-23399/2-A	Lab Control Sample Dup	100	102
LCSD 880-23437/2-A	Lab Control Sample Dup	97	100
LCSD 880-23487/2-A	Lab Control Sample Dup	101	101
LCSD 880-23511/2-A	Lab Control Sample Dup	104	102
MB 880-23328/5-A	Method Blank	97	100
MB 880-23368/5-A	Method Blank	99	93
MB 880-23398/5-A	Method Blank	101	94
MB 880-23399/5-A	Method Blank	100	96
MB 880-23437/5-A	Method Blank	99	93
MB 880-23487/5-A	Method Blank	101	93
MB 880-23511/5-A	Method Blank	101	93

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)
DFBZ = 1,4-Difluorobenzene (Surr)

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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)
890-2177-1	NEW-1	92	98
890-2177-1 MS	NEW-1	97	89
890-2177-1 MSD	NEW-1	93	86
890-2177-2	NEW-2	96	102
890-2177-3	EW-1	100	109
890-2177-4	EW-2	107	114
890-2177-5	EW-3	93	96
890-2177-6	EW-4	97	103
890-2177-7	N-1	97	106
890-2177-8	N-2	86	97
890-2177-9	R-1	88	91
890-2177-10	R-2	87	88
890-2177-11	R-3	101	106
890-2177-12	R-4	92	103
890-2177-13	R-5	91	102
890-2177-14	R-6	91	99
890-2177-15	M-1	84	102
890-2177-16	M-2	88	107
890-2177-17	M-3	102	119
890-2177-18	M-4	88	106
890-2177-19	M-5	83	99
890-2177-20	E-1	84	99
890-2177-21	E-2	84	96
890-2177-22	E-3	91	109
890-2177-22 MS	E-3	86	96
890-2177-22 MSD	E-3	83	90
890-2177-23	E-4	87	98
890-2177-24	NE-1	90	102
890-2177-25	NE-2	90	103
LCS 880-23313/2-A	Lab Control Sample	86	78
LCSD 880-23313/3-A	Lab Control Sample Dup	91	83
MB 880-23313/1-A	Method Blank	99	106

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

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	1CO2 (70-130)	OTPH2 (70-130)
LCS 880-23395/2-A	Lab Control Sample	99	119
LCS 880-23410/2-A	Lab Control Sample	91	108
LCSD 880-23395/3-A	Lab Control Sample Dup	100	118
LCSD 880-23410/3-A	Lab Control Sample Dup	102	123
MB 880-23395/1-A	Method Blank	91	109
MB 880-23410/1-A	Method Blank	88	107

Surrogate Legend

Surrogate Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-23328/5-A
Matrix: Solid
Analysis Batch: 23365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/11/22 17:03	04/12/22 11:58	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/11/22 17:03	04/12/22 11:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*04/11/22 17:03*	*04/12/22 11:58*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*04/11/22 17:03*	*04/12/22 11:58*	*1*

Lab Sample ID: MB 880-23368/5-A
Matrix: Solid
Analysis Batch: 23364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23368

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/12/22 10:28	04/12/22 11:24	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/12/22 10:28	04/12/22 11:24	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/12/22 10:28	04/12/22 11:24	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 10:28	04/12/22 11:24	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/12/22 10:28	04/12/22 11:24	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 10:28	04/12/22 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/12/22 10:28*	*04/12/22 11:24*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/12/22 10:28*	*04/12/22 11:24*	*1*

Lab Sample ID: MB 880-23398/5-A
Matrix: Solid
Analysis Batch: 23364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23398

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/12/22 14:39	04/12/22 21:59	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/12/22 14:39	04/12/22 21:59	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/12/22 14:39	04/12/22 21:59	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 14:39	04/12/22 21:59	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/12/22 14:39	04/12/22 21:59	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 14:39	04/12/22 21:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/12/22 14:39*	*04/12/22 21:59*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*04/12/22 14:39*	*04/12/22 21:59*	*1*

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCS 880-23398/1-A
Matrix: Solid
Analysis Batch: 23364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23398

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08711		mg/Kg		87	70 - 130		
Toluene			0.100	0.08910		mg/Kg		89	70 - 130		
Ethylbenzene			0.100	0.09094		mg/Kg		91	70 - 130		
m,p-Xylenes			0.200	0.1814		mg/Kg		91	70 - 130		
o-Xylene			0.100	0.09375		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-23398/2-A
Matrix: Solid
Analysis Batch: 23364

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23398

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08416		mg/Kg		84	70 - 130	3	35
Toluene			0.100	0.08527		mg/Kg		85	70 - 130	4	35
Ethylbenzene			0.100	0.08789		mg/Kg		88	70 - 130	3	35
m,p-Xylenes			0.200	0.1752		mg/Kg		88	70 - 130	3	35
o-Xylene			0.100	0.08928		mg/Kg		89	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 880-23399/5-A
Matrix: Solid
Analysis Batch: 23365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23399

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/12/22 14:43	04/13/22 00:09	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/12/22 14:43	04/13/22 00:09	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/12/22 14:43	04/13/22 00:09	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 14:43	04/13/22 00:09	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/12/22 14:43	04/13/22 00:09	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/12/22 14:43	04/13/22 00:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*	*04/12/22 14:43*	*04/13/22 00:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*04/12/22 14:43*	*04/13/22 00:09*	*1*

Lab Sample ID: LCS 880-23399/1-A
Matrix: Solid
Analysis Batch: 23365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23399

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08430		mg/Kg		84	70 - 130		
Toluene			0.100	0.09329		mg/Kg		93	70 - 130		

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCS 880-23399/1-A
Matrix: Solid
Analysis Batch: 23365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23399

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	0.100	0.09666		mg/Kg		97	70 - 130
m,p-Xylenes	0.200	0.1931		mg/Kg		97	70 - 130
o-Xylene	0.100	0.09657		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-23399/2-A
Matrix: Solid
Analysis Batch: 23365

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23399

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.08654		mg/Kg		87	70 - 130	3	35
Toluene	0.100	0.09685		mg/Kg		97	70 - 130	4	35
Ethylbenzene	0.100	0.1007		mg/Kg		101	70 - 130	4	35
m,p-Xylenes	0.200	0.2012		mg/Kg		101	70 - 130	4	35
o-Xylene	0.100	0.1001		mg/Kg		100	70 - 130	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 880-23437/5-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23437

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/13/22 09:33	04/13/22 11:51	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/13/22 09:33	04/13/22 11:51	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/13/22 09:33	04/13/22 11:51	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 09:33	04/13/22 11:51	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/13/22 09:33	04/13/22 11:51	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 09:33	04/13/22 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*04/13/22 09:33*	*04/13/22 11:51*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/13/22 09:33*	*04/13/22 11:51*	*1*

Lab Sample ID: LCS 880-23437/1-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23437

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1189		mg/Kg		119	70 - 130
Toluene	0.100	0.1253		mg/Kg		125	70 - 130
Ethylbenzene	0.100	0.1123		mg/Kg		112	70 - 130
m,p-Xylenes	0.200	0.2305		mg/Kg		115	70 - 130

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCS 880-23437/1-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23437

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1084		mg/Kg		108	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-23437/2-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23437

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1433	*+	mg/Kg		143	70 - 130	19	35
Toluene			0.100	0.1328	*+	mg/Kg		133	70 - 130	6	35
Ethylbenzene			0.100	0.1186		mg/Kg		119	70 - 130	6	35
m,p-Xylenes			0.200	0.2445		mg/Kg		122	70 - 130	6	35
o-Xylene			0.100	0.1142		mg/Kg		114	70 - 130	5	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 880-23487/5-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23487

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/13/22 15:41	04/13/22 23:13	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/13/22 15:41	04/13/22 23:13	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/13/22 15:41	04/13/22 23:13	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 15:41	04/13/22 23:13	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/13/22 15:41	04/13/22 23:13	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/13/22 15:41	04/13/22 23:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*70 - 130*	*04/13/22 15:41*	*04/13/22 23:13*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*04/13/22 15:41*	*04/13/22 23:13*	*1*

Lab Sample ID: LCS 880-23487/1-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23487

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.05084	*-	mg/Kg		51	70 - 130		
Toluene			0.100	0.06807	*-	mg/Kg		68	70 - 130		
Ethylbenzene			0.100	0.07329		mg/Kg		73	70 - 130		
m,p-Xylenes			0.200	0.1429		mg/Kg		71	70 - 130		
o-Xylene			0.100	0.07553		mg/Kg		76	70 - 130		

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCS 880-23487/1-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23487

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	120		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: LCSD 880-23487/2-A
Matrix: Solid
Analysis Batch: 23428

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23487

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09667	*1	mg/Kg		97	70 - 130	62	35
Toluene			0.100	0.09774	*1	mg/Kg		98	70 - 130	36	35
Ethylbenzene			0.100	0.1021		mg/Kg		102	70 - 130	33	35
m,p-Xylenes			0.200	0.2043		mg/Kg		102	70 - 130	35	35
o-Xylene			0.100	0.1036		mg/Kg		104	70 - 130	31	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: MB 880-23511/5-A
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23511

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000385	U	0.00200	0.000385	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Toluene	<0.000456	U	0.00200	0.000456	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Ethylbenzene	<0.000565	U	0.00200	0.000565	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
m,p-Xylenes	<0.00101	U	0.00400	0.00101	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
o-Xylene	<0.000344	U	0.00200	0.000344	mg/Kg		04/14/22 12:28	04/14/22 14:29	1
Xylenes, Total	<0.00101	U	0.00400	0.00101	mg/Kg		04/14/22 12:28	04/14/22 14:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	04/14/22 12:28	04/14/22 14:29	1
1,4-Difluorobenzene (Surr)	93		70 - 130	04/14/22 12:28	04/14/22 14:29	1

Lab Sample ID: LCS 880-23511/1-A
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23511

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene			0.100	0.1135		mg/Kg		114	70 - 130
Toluene			0.100	0.1178		mg/Kg		118	70 - 130
Ethylbenzene			0.100	0.1048		mg/Kg		105	70 - 130
m,p-Xylenes			0.200	0.2159		mg/Kg		108	70 - 130
o-Xylene			0.100	0.1012		mg/Kg		101	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	100		70 - 130

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCS 880-23511/1-A
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23511

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

Lab Sample ID: LCSD 880-23511/2-A
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23511

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1250		mg/Kg		125	70 - 130	10	35
Toluene			0.100	0.1311	*+	mg/Kg		131	70 - 130	11	35
Ethylbenzene			0.100	0.1181		mg/Kg		118	70 - 130	12	35
m,p-Xylenes			0.200	0.2439		mg/Kg		122	70 - 130	12	35
o-Xylene			0.100	0.1145		mg/Kg		114	70 - 130	12	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	104		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-2177-25 MS
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: NE-2
Prep Type: Total/NA
Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.000384	U	0.0998	0.1221		mg/Kg		122	70 - 130		
Toluene	<0.000455	U *+	0.0998	0.1272		mg/Kg		127	70 - 130		
Ethylbenzene	<0.000564	U	0.0998	0.1188		mg/Kg		119	70 - 130		
m,p-Xylenes	<0.00101	U	0.200	0.2478		mg/Kg		124	70 - 130		
o-Xylene	<0.000343	U	0.0998	0.1152		mg/Kg		115	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: 890-2177-25 MSD
Matrix: Solid
Analysis Batch: 23503

Client Sample ID: NE-2
Prep Type: Total/NA
Prep Batch: 23511

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.000384	U	0.0996	0.1014		mg/Kg		102	70 - 130	18	35
Toluene	<0.000455	U *+	0.0996	0.1265		mg/Kg		127	70 - 130	1	35
Ethylbenzene	<0.000564	U	0.0996	0.1142		mg/Kg		115	70 - 130	4	35
m,p-Xylenes	<0.00101	U	0.199	0.2272		mg/Kg		114	70 - 130	9	35
o-Xylene	<0.000343	U	0.0996	0.1069		mg/Kg		107	70 - 130	7	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	103		70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: MB 880-23313/1-A
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23313

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		04/11/22 15:16	04/11/22 19:55	1
Diesel Range Organics (Over C10-C28)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 19:55	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/11/22 15:16	04/11/22 19:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*04/11/22 15:16*	*04/11/22 19:55*	*1*
o-Terphenyl	*106*		*70 - 130*	*04/11/22 15:16*	*04/11/22 19:55*	*1*

Lab Sample ID: LCS 880-23313/2-A
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23313

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	765.0		mg/Kg		76	70 - 130
Diesel Range Organics (Over C10-C28)	1000	940.9		mg/Kg		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*86*		*70 - 130*
o-Terphenyl	*78*		*70 - 130*

Lab Sample ID: LCSD 880-23313/3-A
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23313

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	709.6		mg/Kg		71	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	1000	999.3		mg/Kg		100	70 - 130	6	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: 890-2177-1 MS
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: NEW-1
Prep Type: Total/NA
Prep Batch: 23313

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	998	817.6		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	23.1	J	998	979.3		mg/Kg		96	70 - 130

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: 890-2177-1 MS
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: NEW-1
Prep Type: Total/NA
Prep Batch: 23313

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	89		70 - 130

Lab Sample ID: 890-2177-1 MSD
Matrix: Solid
Analysis Batch: 23283

Client Sample ID: NEW-1
Prep Type: Total/NA
Prep Batch: 23313

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	997	781.5		mg/Kg		78	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	23.1	J	997	955.7		mg/Kg		94	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	86		70 - 130

Lab Sample ID: MB 880-23395/1-A
Matrix: Solid
Analysis Batch: 23429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23395

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		04/12/22 13:16	04/13/22 10:27	1
Diesel Range Organics (Over C10-C28)	20.05	J	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 10:27	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 13:16	04/13/22 10:27	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	04/12/22 13:16	04/13/22 10:27	1
o-Terphenyl	109		70 - 130	04/12/22 13:16	04/13/22 10:27	1

Lab Sample ID: LCS 880-23395/2-A
Matrix: Solid
Analysis Batch: 23429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23395

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	862.6		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1023		mg/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	119		70 - 130

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCSD 880-23395/3-A
Matrix: Solid
Analysis Batch: 23429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23395

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1058		mg/Kg		106	70 - 130	20	20
Diesel Range Organics (Over C10-C28)			1000	912.0		mg/Kg		91	70 - 130	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*100*		*70 - 130*
o-Terphenyl	*118*		*70 - 130*

Lab Sample ID: MB 880-23410/1-A
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23410

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		04/12/22 16:53	04/12/22 19:58	1
Diesel Range Organics (Over C10-C28)	18.06	J	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 19:58	1
Oil Range Organics (Over C28-C36)	<15.0	U	50.0	15.0	mg/Kg		04/12/22 16:53	04/12/22 19:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*88*		*70 - 130*	*04/12/22 16:53*	*04/12/22 19:58*	*1*
o-Terphenyl	*107*		*70 - 130*	*04/12/22 16:53*	*04/12/22 19:58*	*1*

Lab Sample ID: LCS 880-23410/2-A
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23410

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10			1000	1073		mg/Kg		107	70 - 130
Diesel Range Organics (Over C10-C28)			1000	991.2		mg/Kg		99	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*108*		*70 - 130*

Lab Sample ID: LCSD 880-23410/3-A
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23410

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1089		mg/Kg		109	70 - 130	1	20
Diesel Range Organics (Over C10-C28)			1000	1009		mg/Kg		101	70 - 130	2	20

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

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

Lab Sample ID: LCSD 880-23410/3-A
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23410

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	123		70 - 130

Lab Sample ID: 890-2177-22 MS
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: E-3
Prep Type: Total/NA
Prep Batch: 23410

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	1000	799.4		mg/Kg		80	70 - 130
Diesel Range Organics (Over C10-C28)	18.6	J B	1000	765.7		mg/Kg		75	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-2177-22 MSD
Matrix: Solid
Analysis Batch: 23357

Client Sample ID: E-3
Prep Type: Total/NA
Prep Batch: 23410

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	998	801.9		mg/Kg		80	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	18.6	J B	998	727.9		mg/Kg		71	70 - 130	5	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	83		70 - 130
o-Terphenyl	90		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23370/1-A
Matrix: Solid
Analysis Batch: 23557

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			04/15/22 01:17	1

Lab Sample ID: LCS 880-23370/2-A
Matrix: Solid
Analysis Batch: 23557

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	259.0		mg/Kg		104	90 - 110

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-23370/3-A
Matrix: Solid
Analysis Batch: 23557

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	249.8		mg/Kg		100	90 - 110	4	20

Lab Sample ID: 890-2177-3 MS
Matrix: Solid
Analysis Batch: 23557

Client Sample ID: EW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	216		1250	1418		mg/Kg		97	90 - 110		

Lab Sample ID: 890-2177-3 MSD
Matrix: Solid
Analysis Batch: 23557

Client Sample ID: EW-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	216		1250	1406		mg/Kg		96	90 - 110	1	20

Lab Sample ID: MB 880-23374/1-A
Matrix: Solid
Analysis Batch: 23559

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			04/14/22 22:49	1

Lab Sample ID: LCS 880-23374/2-A
Matrix: Solid
Analysis Batch: 23559

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	230.7		mg/Kg		92	90 - 110		

Lab Sample ID: LCSD 880-23374/3-A
Matrix: Solid
Analysis Batch: 23559

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	242.7		mg/Kg		97	90 - 110	5	20

Lab Sample ID: 890-2177-13 MS
Matrix: Solid
Analysis Batch: 23559

Client Sample ID: R-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	105	F1	250	326.6	F1	mg/Kg		89	90 - 110		

Lab Sample ID: 890-2177-13 MSD
Matrix: Solid
Analysis Batch: 23559

Client Sample ID: R-5
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	105	F1	250	325.5	F1	mg/Kg		88	90 - 110	0	20

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23535/1-A
Matrix: Solid
Analysis Batch: 23691

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			04/16/22 14:24	1

Lab Sample ID: LCS 880-23535/2-A
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.4		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-23535/3-A
Matrix: Solid
Analysis Batch: 23691

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	252.2		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-2177-15 MS
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: M-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	114		250	362.0		mg/Kg		99	90 - 110

Lab Sample ID: 890-2177-15 MSD
Matrix: Solid
Analysis Batch: 23691

Client Sample ID: M-1
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	114		250	361.4		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-23707/1-A
Matrix: Solid
Analysis Batch: 23746

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			04/18/22 17:48	1

Lab Sample ID: LCS 880-23707/2-A
Matrix: Solid
Analysis Batch: 23746

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	247.2		mg/Kg		99	90 - 110

Lab Sample ID: LCSD 880-23707/3-A
Matrix: Solid
Analysis Batch: 23746

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	246.8		mg/Kg		99	90 - 110	0	20

QC Sample Results

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-23558/1-A
Matrix: Solid
Analysis Batch: 23755

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			04/19/22 12:47	1

Lab Sample ID: LCS 880-23558/2-A
Matrix: Solid
Analysis Batch: 23755

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	249.1		mg/Kg		100	90 - 110		

Lab Sample ID: LCSD 880-23558/3-A
Matrix: Solid
Analysis Batch: 23755

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	248.8		mg/Kg		100	90 - 110	0	20

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC VOA

Prep Batch: 23328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23328/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 23364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-13	R-5	Total/NA	Solid	8021B	23398
890-2177-14	R-6	Total/NA	Solid	8021B	23398
MB 880-23368/5-A	Method Blank	Total/NA	Solid	8021B	23368
MB 880-23398/5-A	Method Blank	Total/NA	Solid	8021B	23398
LCS 880-23398/1-A	Lab Control Sample	Total/NA	Solid	8021B	23398
LCSD 880-23398/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23398

Analysis Batch: 23365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	8021B	23399
890-2177-2	NEW-2	Total/NA	Solid	8021B	23399
890-2177-3	EW-1	Total/NA	Solid	8021B	23399
890-2177-4	EW-2	Total/NA	Solid	8021B	23399
890-2177-5	EW-3	Total/NA	Solid	8021B	23399
890-2177-6	EW-4	Total/NA	Solid	8021B	23399
MB 880-23328/5-A	Method Blank	Total/NA	Solid	8021B	23328
MB 880-23399/5-A	Method Blank	Total/NA	Solid	8021B	23399
LCS 880-23399/1-A	Lab Control Sample	Total/NA	Solid	8021B	23399
LCSD 880-23399/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23399

Prep Batch: 23368

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-23368/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 23398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-13	R-5	Total/NA	Solid	5035	
890-2177-14	R-6	Total/NA	Solid	5035	
MB 880-23398/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23398/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23398/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Prep Batch: 23399

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	5035	
890-2177-2	NEW-2	Total/NA	Solid	5035	
890-2177-3	EW-1	Total/NA	Solid	5035	
890-2177-4	EW-2	Total/NA	Solid	5035	
890-2177-5	EW-3	Total/NA	Solid	5035	
890-2177-6	EW-4	Total/NA	Solid	5035	
MB 880-23399/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23399/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23399/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 23428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-7	N-1	Total/NA	Solid	8021B	23437

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 23428 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-8	N-2	Total/NA	Solid	8021B	23437
890-2177-9	R-1	Total/NA	Solid	8021B	23437
890-2177-10	R-2	Total/NA	Solid	8021B	23437
890-2177-11	R-3	Total/NA	Solid	8021B	23437
890-2177-12	R-4	Total/NA	Solid	8021B	23437
890-2177-15	M-1	Total/NA	Solid	8021B	23487
890-2177-16	M-2	Total/NA	Solid	8021B	23487
890-2177-17	M-3	Total/NA	Solid	8021B	23487
890-2177-18	M-4	Total/NA	Solid	8021B	23487
890-2177-19	M-5	Total/NA	Solid	8021B	23487
890-2177-20	E-1	Total/NA	Solid	8021B	23487
890-2177-21	E-2	Total/NA	Solid	8021B	23487
890-2177-22	E-3	Total/NA	Solid	8021B	23487
890-2177-23	E-4	Total/NA	Solid	8021B	23487
890-2177-24	NE-1	Total/NA	Solid	8021B	23487
MB 880-23437/5-A	Method Blank	Total/NA	Solid	8021B	23437
MB 880-23487/5-A	Method Blank	Total/NA	Solid	8021B	23487
LCS 880-23437/1-A	Lab Control Sample	Total/NA	Solid	8021B	23437
LCS 880-23487/1-A	Lab Control Sample	Total/NA	Solid	8021B	23487
LCSD 880-23437/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23437
LCSD 880-23487/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23487

Prep Batch: 23437

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-7	N-1	Total/NA	Solid	5035	
890-2177-8	N-2	Total/NA	Solid	5035	
890-2177-9	R-1	Total/NA	Solid	5035	
890-2177-10	R-2	Total/NA	Solid	5035	
890-2177-11	R-3	Total/NA	Solid	5035	
890-2177-12	R-4	Total/NA	Solid	5035	
MB 880-23437/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23437/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23437/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 23447

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	Total BTEX	
890-2177-2	NEW-2	Total/NA	Solid	Total BTEX	
890-2177-3	EW-1	Total/NA	Solid	Total BTEX	
890-2177-4	EW-2	Total/NA	Solid	Total BTEX	
890-2177-5	EW-3	Total/NA	Solid	Total BTEX	
890-2177-6	EW-4	Total/NA	Solid	Total BTEX	
890-2177-7	N-1	Total/NA	Solid	Total BTEX	
890-2177-8	N-2	Total/NA	Solid	Total BTEX	
890-2177-9	R-1	Total/NA	Solid	Total BTEX	
890-2177-10	R-2	Total/NA	Solid	Total BTEX	
890-2177-11	R-3	Total/NA	Solid	Total BTEX	
890-2177-12	R-4	Total/NA	Solid	Total BTEX	
890-2177-13	R-5	Total/NA	Solid	Total BTEX	
890-2177-14	R-6	Total/NA	Solid	Total BTEX	
890-2177-15	M-1	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC VOA (Continued)

Analysis Batch: 23447 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-16	M-2	Total/NA	Solid	Total BTEX	
890-2177-17	M-3	Total/NA	Solid	Total BTEX	
890-2177-18	M-4	Total/NA	Solid	Total BTEX	
890-2177-19	M-5	Total/NA	Solid	Total BTEX	
890-2177-20	E-1	Total/NA	Solid	Total BTEX	
890-2177-21	E-2	Total/NA	Solid	Total BTEX	
890-2177-22	E-3	Total/NA	Solid	Total BTEX	
890-2177-23	E-4	Total/NA	Solid	Total BTEX	
890-2177-24	NE-1	Total/NA	Solid	Total BTEX	
890-2177-25	NE-2	Total/NA	Solid	Total BTEX	

Prep Batch: 23487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-15	M-1	Total/NA	Solid	5035	
890-2177-16	M-2	Total/NA	Solid	5035	
890-2177-17	M-3	Total/NA	Solid	5035	
890-2177-18	M-4	Total/NA	Solid	5035	
890-2177-19	M-5	Total/NA	Solid	5035	
890-2177-20	E-1	Total/NA	Solid	5035	
890-2177-21	E-2	Total/NA	Solid	5035	
890-2177-22	E-3	Total/NA	Solid	5035	
890-2177-23	E-4	Total/NA	Solid	5035	
890-2177-24	NE-1	Total/NA	Solid	5035	
MB 880-23487/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23487/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23487/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

Analysis Batch: 23503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-25	NE-2	Total/NA	Solid	8021B	23511
MB 880-23511/5-A	Method Blank	Total/NA	Solid	8021B	23511
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	8021B	23511
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	23511
890-2177-25 MS	NE-2	Total/NA	Solid	8021B	23511
890-2177-25 MSD	NE-2	Total/NA	Solid	8021B	23511

Prep Batch: 23511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-25	NE-2	Total/NA	Solid	5035	
MB 880-23511/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-23511/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-23511/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-2177-25 MS	NE-2	Total/NA	Solid	5035	
890-2177-25 MSD	NE-2	Total/NA	Solid	5035	

GC Semi VOA

Analysis Batch: 23283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	8015B NM	23313
890-2177-2	NEW-2	Total/NA	Solid	8015B NM	23313

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC Semi VOA (Continued)

Analysis Batch: 23283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-3	EW-1	Total/NA	Solid	8015B NM	23313
890-2177-4	EW-2	Total/NA	Solid	8015B NM	23313
890-2177-5	EW-3	Total/NA	Solid	8015B NM	23313
890-2177-6	EW-4	Total/NA	Solid	8015B NM	23313
890-2177-7	N-1	Total/NA	Solid	8015B NM	23313
890-2177-8	N-2	Total/NA	Solid	8015B NM	23313
890-2177-9	R-1	Total/NA	Solid	8015B NM	23313
890-2177-10	R-2	Total/NA	Solid	8015B NM	23313
890-2177-11	R-3	Total/NA	Solid	8015B NM	23313
890-2177-12	R-4	Total/NA	Solid	8015B NM	23313
890-2177-13	R-5	Total/NA	Solid	8015B NM	23313
890-2177-14	R-6	Total/NA	Solid	8015B NM	23313
MB 880-23313/1-A	Method Blank	Total/NA	Solid	8015B NM	23313
LCS 880-23313/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23313
LCSD 880-23313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23313
890-2177-1 MS	NEW-1	Total/NA	Solid	8015B NM	23313
890-2177-1 MSD	NEW-1	Total/NA	Solid	8015B NM	23313

Prep Batch: 23313

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	8015NM Prep	
890-2177-2	NEW-2	Total/NA	Solid	8015NM Prep	
890-2177-3	EW-1	Total/NA	Solid	8015NM Prep	
890-2177-4	EW-2	Total/NA	Solid	8015NM Prep	
890-2177-5	EW-3	Total/NA	Solid	8015NM Prep	
890-2177-6	EW-4	Total/NA	Solid	8015NM Prep	
890-2177-7	N-1	Total/NA	Solid	8015NM Prep	
890-2177-8	N-2	Total/NA	Solid	8015NM Prep	
890-2177-9	R-1	Total/NA	Solid	8015NM Prep	
890-2177-10	R-2	Total/NA	Solid	8015NM Prep	
890-2177-11	R-3	Total/NA	Solid	8015NM Prep	
890-2177-12	R-4	Total/NA	Solid	8015NM Prep	
890-2177-13	R-5	Total/NA	Solid	8015NM Prep	
890-2177-14	R-6	Total/NA	Solid	8015NM Prep	
MB 880-23313/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23313/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23313/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2177-1 MS	NEW-1	Total/NA	Solid	8015NM Prep	
890-2177-1 MSD	NEW-1	Total/NA	Solid	8015NM Prep	

Analysis Batch: 23357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-22	E-3	Total/NA	Solid	8015B NM	23410
890-2177-23	E-4	Total/NA	Solid	8015B NM	23410
890-2177-24	NE-1	Total/NA	Solid	8015B NM	23410
890-2177-25	NE-2	Total/NA	Solid	8015B NM	23410
MB 880-23410/1-A	Method Blank	Total/NA	Solid	8015B NM	23410
LCS 880-23410/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23410
LCSD 880-23410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23410
890-2177-22 MS	E-3	Total/NA	Solid	8015B NM	23410
890-2177-22 MSD	E-3	Total/NA	Solid	8015B NM	23410

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC Semi VOA

Analysis Batch: 23381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Total/NA	Solid	8015 NM	
890-2177-2	NEW-2	Total/NA	Solid	8015 NM	
890-2177-3	EW-1	Total/NA	Solid	8015 NM	
890-2177-4	EW-2	Total/NA	Solid	8015 NM	
890-2177-5	EW-3	Total/NA	Solid	8015 NM	
890-2177-6	EW-4	Total/NA	Solid	8015 NM	
890-2177-7	N-1	Total/NA	Solid	8015 NM	
890-2177-8	N-2	Total/NA	Solid	8015 NM	
890-2177-9	R-1	Total/NA	Solid	8015 NM	
890-2177-10	R-2	Total/NA	Solid	8015 NM	
890-2177-11	R-3	Total/NA	Solid	8015 NM	
890-2177-12	R-4	Total/NA	Solid	8015 NM	
890-2177-13	R-5	Total/NA	Solid	8015 NM	
890-2177-14	R-6	Total/NA	Solid	8015 NM	
890-2177-15	M-1	Total/NA	Solid	8015 NM	
890-2177-16	M-2	Total/NA	Solid	8015 NM	
890-2177-17	M-3	Total/NA	Solid	8015 NM	
890-2177-18	M-4	Total/NA	Solid	8015 NM	
890-2177-19	M-5	Total/NA	Solid	8015 NM	
890-2177-20	E-1	Total/NA	Solid	8015 NM	
890-2177-21	E-2	Total/NA	Solid	8015 NM	
890-2177-22	E-3	Total/NA	Solid	8015 NM	
890-2177-23	E-4	Total/NA	Solid	8015 NM	
890-2177-24	NE-1	Total/NA	Solid	8015 NM	
890-2177-25	NE-2	Total/NA	Solid	8015 NM	

Prep Batch: 23395

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-15	M-1	Total/NA	Solid	8015NM Prep	
890-2177-16	M-2	Total/NA	Solid	8015NM Prep	
890-2177-17	M-3	Total/NA	Solid	8015NM Prep	
890-2177-18	M-4	Total/NA	Solid	8015NM Prep	
890-2177-19	M-5	Total/NA	Solid	8015NM Prep	
890-2177-20	E-1	Total/NA	Solid	8015NM Prep	
890-2177-21	E-2	Total/NA	Solid	8015NM Prep	
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23395/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Prep Batch: 23410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-22	E-3	Total/NA	Solid	8015NM Prep	
890-2177-23	E-4	Total/NA	Solid	8015NM Prep	
890-2177-24	NE-1	Total/NA	Solid	8015NM Prep	
890-2177-25	NE-2	Total/NA	Solid	8015NM Prep	
MB 880-23410/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-23410/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-23410/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-2177-22 MS	E-3	Total/NA	Solid	8015NM Prep	
890-2177-22 MSD	E-3	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

GC Semi VOA

Analysis Batch: 23429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-15	M-1	Total/NA	Solid	8015B NM	23395
890-2177-16	M-2	Total/NA	Solid	8015B NM	23395
890-2177-17	M-3	Total/NA	Solid	8015B NM	23395
890-2177-18	M-4	Total/NA	Solid	8015B NM	23395
890-2177-19	M-5	Total/NA	Solid	8015B NM	23395
890-2177-20	E-1	Total/NA	Solid	8015B NM	23395
890-2177-21	E-2	Total/NA	Solid	8015B NM	23395
MB 880-23395/1-A	Method Blank	Total/NA	Solid	8015B NM	23395
LCS 880-23395/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	23395
LCSD 880-23395/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	23395

HPLC/IC

Leach Batch: 23370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-3	EW-1	Soluble	Solid	DI Leach	
890-2177-4	EW-2	Soluble	Solid	DI Leach	
890-2177-5	EW-3	Soluble	Solid	DI Leach	
890-2177-6	EW-4	Soluble	Solid	DI Leach	
890-2177-7	N-1	Soluble	Solid	DI Leach	
890-2177-8	N-2	Soluble	Solid	DI Leach	
890-2177-9	R-1	Soluble	Solid	DI Leach	
890-2177-10	R-2	Soluble	Solid	DI Leach	
890-2177-11	R-3	Soluble	Solid	DI Leach	
890-2177-12	R-4	Soluble	Solid	DI Leach	
MB 880-23370/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23370/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23370/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2177-3 MS	EW-1	Soluble	Solid	DI Leach	
890-2177-3 MSD	EW-1	Soluble	Solid	DI Leach	

Leach Batch: 23374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-13	R-5	Soluble	Solid	DI Leach	
890-2177-14	R-6	Soluble	Solid	DI Leach	
MB 880-23374/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23374/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23374/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2177-13 MS	R-5	Soluble	Solid	DI Leach	
890-2177-13 MSD	R-5	Soluble	Solid	DI Leach	

Leach Batch: 23535

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-15	M-1	Soluble	Solid	DI Leach	
890-2177-16	M-2	Soluble	Solid	DI Leach	
890-2177-17	M-3	Soluble	Solid	DI Leach	
890-2177-18	M-4	Soluble	Solid	DI Leach	
890-2177-19	M-5	Soluble	Solid	DI Leach	
890-2177-20	E-1	Soluble	Solid	DI Leach	
890-2177-21	E-2	Soluble	Solid	DI Leach	
890-2177-22	E-3	Soluble	Solid	DI Leach	

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

HPLC/IC (Continued)

Leach Batch: 23535 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-23	E-4	Soluble	Solid	DI Leach	
890-2177-24	NE-1	Soluble	Solid	DI Leach	
MB 880-23535/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23535/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23535/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-2177-15 MS	M-1	Soluble	Solid	DI Leach	
890-2177-15 MSD	M-1	Soluble	Solid	DI Leach	

Analysis Batch: 23557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-3	EW-1	Soluble	Solid	300.0	23370
890-2177-4	EW-2	Soluble	Solid	300.0	23370
890-2177-5	EW-3	Soluble	Solid	300.0	23370
890-2177-6	EW-4	Soluble	Solid	300.0	23370
890-2177-7	N-1	Soluble	Solid	300.0	23370
890-2177-8	N-2	Soluble	Solid	300.0	23370
890-2177-9	R-1	Soluble	Solid	300.0	23370
890-2177-10	R-2	Soluble	Solid	300.0	23370
890-2177-11	R-3	Soluble	Solid	300.0	23370
890-2177-12	R-4	Soluble	Solid	300.0	23370
MB 880-23370/1-A	Method Blank	Soluble	Solid	300.0	23370
LCS 880-23370/2-A	Lab Control Sample	Soluble	Solid	300.0	23370
LCSD 880-23370/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23370
890-2177-3 MS	EW-1	Soluble	Solid	300.0	23370
890-2177-3 MSD	EW-1	Soluble	Solid	300.0	23370

Leach Batch: 23558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-25	NE-2	Soluble	Solid	DI Leach	
MB 880-23558/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23558/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23558/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 23559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-13	R-5	Soluble	Solid	300.0	23374
890-2177-14	R-6	Soluble	Solid	300.0	23374
MB 880-23374/1-A	Method Blank	Soluble	Solid	300.0	23374
LCS 880-23374/2-A	Lab Control Sample	Soluble	Solid	300.0	23374
LCSD 880-23374/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23374
890-2177-13 MS	R-5	Soluble	Solid	300.0	23374
890-2177-13 MSD	R-5	Soluble	Solid	300.0	23374

Analysis Batch: 23691

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-15	M-1	Soluble	Solid	300.0	23535
890-2177-16	M-2	Soluble	Solid	300.0	23535
890-2177-17	M-3	Soluble	Solid	300.0	23535
890-2177-18	M-4	Soluble	Solid	300.0	23535
890-2177-19	M-5	Soluble	Solid	300.0	23535
890-2177-20	E-1	Soluble	Solid	300.0	23535

QC Association Summary

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

HPLC/IC (Continued)

Analysis Batch: 23691 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-21	E-2	Soluble	Solid	300.0	23535
890-2177-22	E-3	Soluble	Solid	300.0	23535
890-2177-23	E-4	Soluble	Solid	300.0	23535
890-2177-24	NE-1	Soluble	Solid	300.0	23535
MB 880-23535/1-A	Method Blank	Soluble	Solid	300.0	23535
LCS 880-23535/2-A	Lab Control Sample	Soluble	Solid	300.0	23535
LCSD 880-23535/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23535
890-2177-15 MS	M-1	Soluble	Solid	300.0	23535
890-2177-15 MSD	M-1	Soluble	Solid	300.0	23535

Leach Batch: 23707

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Soluble	Solid	DI Leach	
890-2177-2	NEW-2	Soluble	Solid	DI Leach	
MB 880-23707/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-23707/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-23707/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

Analysis Batch: 23746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-1	NEW-1	Soluble	Solid	300.0	23707
890-2177-2	NEW-2	Soluble	Solid	300.0	23707
MB 880-23707/1-A	Method Blank	Soluble	Solid	300.0	23707
LCS 880-23707/2-A	Lab Control Sample	Soluble	Solid	300.0	23707
LCSD 880-23707/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23707

Analysis Batch: 23755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-2177-25	NE-2	Soluble	Solid	300.0	23558
MB 880-23558/1-A	Method Blank	Soluble	Solid	300.0	23558
LCS 880-23558/2-A	Lab Control Sample	Soluble	Solid	300.0	23558
LCSD 880-23558/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	23558

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: NEW-1
Date Collected: 04/09/22 16:56
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-1
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			5.02 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 03:21	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 20:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	23707	04/18/22 17:20	SC	XEN MID
Soluble	Analysis	300.0		1			23746	04/19/22 11:01	CH	XEN MID

Client Sample ID: NEW-2
Date Collected: 04/09/22 16:59
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-2
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			4.98 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 03:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 21:57	AJ	XEN MID
Soluble	Leach	DI Leach			4.97 g	50 mL	23707	04/18/22 17:20	SC	XEN MID
Soluble	Analysis	300.0		1			23746	04/19/22 11:10	CH	XEN MID

Client Sample ID: EW-1
Date Collected: 04/09/22 12:00
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-3
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			4.96 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 05:32	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 22:17	AJ	XEN MID
Soluble	Leach	DI Leach			5.02 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		5			23557	04/15/22 08:28	SC	XEN MID

Client Sample ID: EW-2
Date Collected: 04/09/22 17:04
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-4
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			5.01 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 05:52	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: EW-2
Date Collected: 04/09/22 17:04
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-4
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			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 22:37	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		5			23557	04/15/22 08:56	SC	XEN MID

Client Sample ID: EW-3
Date Collected: 04/09/22 17:08
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-5
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			5.03 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 06:12	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 22:57	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 09:05	SC	XEN MID

Client Sample ID: EW-4
Date Collected: 04/09/22 17:10
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-6
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			5.02 g	5 mL	23399	04/12/22 14:43	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23365	04/13/22 06:33	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 23:18	AJ	XEN MID
Soluble	Leach	DI Leach			4.99 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 09:33	SC	XEN MID

Client Sample ID: N-1
Date Collected: 04/09/22 17:20
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-7
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			4.98 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 13:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 23:38	AJ	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: N-1
Date Collected: 04/09/22 17:20
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-7
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			5.03 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 09:42	SC	XEN MID

Client Sample ID: N-2
Date Collected: 04/09/22 17:25
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-8
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			5.01 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 13:43	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/11/22 23:58	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 09:51	SC	XEN MID

Client Sample ID: R-1
Date Collected: 04/09/22 16:15
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-9
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			5.02 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 14:04	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 00:18	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 10:01	SC	XEN MID

Client Sample ID: R-2
Date Collected: 04/09/22 16:17
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-10
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			5.03 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 14:24	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 00:38	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 10:10	SC	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-3
Date Collected: 04/09/22 16:24
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-11
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			5.01 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 14:44	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 01:19	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 10:19	SC	XEN MID

Client Sample ID: R-4
Date Collected: 04/09/22 16:30
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-12
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			5.02 g	5 mL	23437	04/13/22 09:33	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/13/22 17:28	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 01:39	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23370	04/12/22 10:51	SC	XEN MID
Soluble	Analysis	300.0		1			23557	04/15/22 17:00	SC	XEN MID

Client Sample ID: R-5
Date Collected: 04/09/22 16:32
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-13
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			4.96 g	5 mL	23398	04/12/22 14:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23364	04/13/22 02:45	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 01:59	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23374	04/12/22 10:58	SC	XEN MID
Soluble	Analysis	300.0		1			23559	04/15/22 11:17	CH	XEN MID

Client Sample ID: R-6
Date Collected: 04/09/22 16:34
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-14
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			4.99 g	5 mL	23398	04/12/22 14:39	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23364	04/13/22 03:06	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: R-6
Date Collected: 04/09/22 16:34
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-14
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			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	23313	04/11/22 15:16	AM	XEN MID
Total/NA	Analysis	8015B NM		1			23283	04/12/22 02:20	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23374	04/12/22 10:58	SC	XEN MID
Soluble	Analysis	300.0		1			23559	04/14/22 23:27	CH	XEN MID

Client Sample ID: M-1
Date Collected: 04/09/22 16:08
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-15
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	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 01:58	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 17:00	AJ	XEN MID
Soluble	Leach	DI Leach			5 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 16:55	CH	XEN MID

Client Sample ID: M-2
Date Collected: 04/09/22 16:09
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-16
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	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 02:18	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 17:21	AJ	XEN MID
Soluble	Leach	DI Leach			5.01 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 17:21	CH	XEN MID

Client Sample ID: M-3
Date Collected: 04/09/22 16:02
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-17
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			4.95 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 04:00	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 17:42	AJ	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: M-3
Date Collected: 04/09/22 16:02
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-17
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			5.05 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 17:30	CH	XEN MID

Client Sample ID: M-4
Date Collected: 04/09/22 16:12
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-18
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			4.99 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 04:20	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 18:03	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 17:57	CH	XEN MID

Client Sample ID: M-5
Date Collected: 04/09/22 16:20
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-19
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			4.97 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 04:41	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 18:23	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 18:05	CH	XEN MID

Client Sample ID: E-1
Date Collected: 04/09/22 16:49
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-20
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			5.01 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 05:01	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 18:44	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/16/22 18:14	CH	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: E-2
Date Collected: 04/09/22 16:42
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-21
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			5.02 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 05:22	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	23395	04/12/22 13:16	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23429	04/13/22 19:05	AJ	XEN MID
Soluble	Leach	DI Leach			5.04 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/17/22 09:00	CH	XEN MID

Client Sample ID: E-3
Date Collected: 04/09/22 16:44
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-22
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			5.03 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 05:42	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	23410	04/12/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23357	04/12/22 21:00	AJ	XEN MID
Soluble	Leach	DI Leach			4.96 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/17/22 09:09	CH	XEN MID

Client Sample ID: E-4
Date Collected: 04/09/22 16:46
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-23
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			5.00 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 06:03	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	23410	04/12/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23357	04/12/22 22:02	AJ	XEN MID
Soluble	Leach	DI Leach			5.03 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/17/22 09:18	CH	XEN MID

Client Sample ID: NE-1
Date Collected: 04/09/22 16:50
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-24
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			4.99 g	5 mL	23487	04/13/22 15:41	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23428	04/14/22 06:23	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID

Lab Chronicle

Client: Ranger Environmental Services, Inc
Project/Site: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Client Sample ID: NE-1
Date Collected: 04/09/22 16:50
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-24
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			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23410	04/12/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23357	04/12/22 22:22	AJ	XEN MID
Soluble	Leach	DI Leach			5.05 g	50 mL	23535	04/14/22 13:56	SC	XEN MID
Soluble	Analysis	300.0		1			23691	04/17/22 09:27	CH	XEN MID

Client Sample ID: NE-2
Date Collected: 04/09/22 16:52
Date Received: 04/11/22 08:00

Lab Sample ID: 890-2177-25
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			5.01 g	5 mL	23511	04/14/22 12:28	MR	XEN MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	23503	04/14/22 14:51	MR	XEN MID
Total/NA	Analysis	Total BTEX		1			23447	04/13/22 10:19	AJ	XEN MID
Total/NA	Analysis	8015 NM		1			23381	04/12/22 12:12	AJ	XEN MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	23410	04/12/22 16:53	DM	XEN MID
Total/NA	Analysis	8015B NM		1			23357	04/12/22 22:42	AJ	XEN MID
Soluble	Leach	DI Leach			4.95 g	50 mL	23558	04/14/22 16:16	SC	XEN MID
Soluble	Analysis	300.0		1			23755	04/20/22 17:34	SC	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
Job ID: 890-2177-1
Project/Site: Dragon Riser
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: Dragon Riser

Job ID: 890-2177-1
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: Dragon Riser

Job ID: 890-2177-1
SDG: 5198

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-2177-1	NEW-1	Solid	04/09/22 16:56	04/11/22 08:00	0 - 13
890-2177-2	NEW-2	Solid	04/09/22 16:59	04/11/22 08:00	0 - 8
890-2177-3	EW-1	Solid	04/09/22 12:00	04/11/22 08:00	0 - 13
890-2177-4	EW-2	Solid	04/09/22 17:04	04/11/22 08:00	0 - 13
890-2177-5	EW-3	Solid	04/09/22 17:08	04/11/22 08:00	0 - 12
890-2177-6	EW-4	Solid	04/09/22 17:10	04/11/22 08:00	0 - 12
890-2177-7	N-1	Solid	04/09/22 17:20	04/11/22 08:00	0 - 13
890-2177-8	N-2	Solid	04/09/22 17:25	04/11/22 08:00	0 - 13
890-2177-9	R-1	Solid	04/09/22 16:15	04/11/22 08:00	0 - 13
890-2177-10	R-2	Solid	04/09/22 16:17	04/11/22 08:00	0 - 13
890-2177-11	R-3	Solid	04/09/22 16:24	04/11/22 08:00	0 - 13
890-2177-12	R-4	Solid	04/09/22 16:30	04/11/22 08:00	0 - 13
890-2177-13	R-5	Solid	04/09/22 16:32	04/11/22 08:00	0 - 13
890-2177-14	R-6	Solid	04/09/22 16:34	04/11/22 08:00	0 - 13
890-2177-15	M-1	Solid	04/09/22 16:08	04/11/22 08:00	0 - 13
890-2177-16	M-2	Solid	04/09/22 16:09	04/11/22 08:00	0 - 13
890-2177-17	M-3	Solid	04/09/22 16:02	04/11/22 08:00	0 - 13
890-2177-18	M-4	Solid	04/09/22 16:12	04/11/22 08:00	0 - 13
890-2177-19	M-5	Solid	04/09/22 16:20	04/11/22 08:00	0 - 13
890-2177-20	E-1	Solid	04/09/22 16:49	04/11/22 08:00	
890-2177-21	E-2	Solid	04/09/22 16:42	04/11/22 08:00	13
890-2177-22	E-3	Solid	04/09/22 16:44	04/11/22 08:00	12
890-2177-23	E-4	Solid	04/09/22 16:46	04/11/22 08:00	12
890-2177-24	NE-1	Solid	04/09/22 16:50	04/11/22 08:00	8 - 9
890-2177-25	NE-2	Solid	04/09/22 16:52	04/11/22 08:00	8 - 9

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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: _____

www.xenco.com Page 1 of 3

Project Manager:	MAX COOK	Bill to: (if different)	EOG RESOURCES INC. - MIDLAND
Company Name:	RANGER ENV	Company Name:	ATTN KEVEN BLACK
Address:	PO BOX 201179	Address:	5509 CHAMPIONS DR
City, State ZIP:	AUSTIN TX 78729	City, State ZIP:	MIDLAND TX 79706
Phone:	512-335-1785	Email:	MAX@RANGERENV.COM

Work Order Comments

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:	DRAGON RISER	Turn Around	☒ Routine ☐ Rush
Project Number:	5198	Due Date:	
Project Location:	LEA CO NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	W. KIERNAN		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TMM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.8	
Total Containers:		Corrected Temperature:	1.4	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021)	TPH (8015)	Chloride (EPA 300)	Sample Comments
NEW-1	SOIL	4/9/22	1655	0-13'	Comp	1		X	X	X	
NEW-2			1659	0-8'							
EW-1			1200	0-13'							
EW-2			1704	0-13'							
EW-3			1708	0-12'							
EW-4			1710	0-12'							
N-1			1720	0-13'							
N-2			1725	0-13'							
R-1			1615	0-13'							
R-2			1617	0-13'							

890-2177 Chain of Custody

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

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Project Manager:		Bill to: (if different)	
Company Name:	SEE PAGE 1	Company Name:	SEE PAGE 1
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

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:	DRAGON RISER	Turn Around	
Project Number:	S198	☒ Routine ☐ Rush	
Project Location:	LEA CO NM	Due Date:	
Sampler's Name:	W. KIERDORF	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:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX (8021)	TPH (8015)	Chloride (EPA 300)	Sample Comments
R-3	SOIL	4/9/2022	1624	0-13	GRAB	1		X	X	X	
R-4			1630								
R-5			1632								
R-6			1634								
M-1			1608								
M-2			1609								
M-3			1602								
M-4			1612								
M-5			1620								
E-1			1549								

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 Tl 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 Tl 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		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

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Project Manager:		Bill to: (if different)	
Company Name:	SEE PAGE 1	Company Name:	SEE PAGE 1
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

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:	DAGGER RISER	Turn Around	
Project Number:	5198	☒ Routine ☐ Rush	
Project Location:	LEA CO NM	Due Date:	
Sampler's Name:	W. KIERNAF	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:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX (8021)	TPH (8015)	CHLORIDES (EPA 300	Sample Comments
E-2	SOIL	4/9/22	1642	13'	GRAB	1		X	X	X	
E-3			1644	13'							
E-4			1645	12'							
NE-1			1650	8-9							
NE-2			1652	8-9							

ANALYSIS REQUEST

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

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1		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

www.xenco.com Page 1 of 3

Project Manager:	MAX COOK	Bill to: (if different)	EOG RESOURCES INC. - MIDLAND
Company Name:	RANGER ENV	Company Name:	ATTN KEVEN BLACK
Address:	PO BOX 201179	Address:	5509 CHAMPIONS DR
City, State ZIP:	AUSTIN TX 78729	City, State ZIP:	MIDLAND TX 79706
Phone:	512-335-1785	Email:	MAX@RANGERENV.COM

Work Order Comments

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:	DRAGON RISER	Turn Around	☒ Routine ☐ Rush
Project Number:	5198	Due Date:	
Project Location:	LEA CO NM	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	W. KIERNAN		
PO #:			

SAMPLE RECEIPT				
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	TMM-007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	1.8	
Total Containers:		Corrected Temperature:	1.4	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: NaSO$_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: BTEX (8021)	TPH (8015)	Chloride (EPA 300)	Sample Comments
NEW-1	SOIL	4/9/22	1655	0-13'	Comp	1	X	X	X	
NEW-2			1659	0-8'						
EW-1			1200	0-13'						
EW-2			1704	0-13'						
EW-3			1708	0-12'						
EW-4			1710	0-12'						
N-1			1720	0-13'						
N-2			1725	0-13'						
R-1			1615	0-13'						
R-2			1617	0-13'						

890-2177 Chain of Custody

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 Tl 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 Tl 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		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

www.xenco.com Page 2 of 3

Project Manager:		Bill to: (if different)	
Company Name:	SEE PAGE 1	Company Name:	SEE PAGE 1
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

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:	DRAGON RISER	Turn Around	
Project Number:	S198	☒ Routine ☐ Rush	
Project Location:	LEA CO NM	Due Date:	
Sampler's Name:	W. KIERDORF	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:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No ~~N/A~~	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: BTEX (8021)	TPH (8015)	Chloride (EPA 300)	Sample Comments
R-3	SOIL	4/9/2022	1624	0-13	GRAB	1		X	X	X	
R-4			1630								
R-5			1632								
R-6			1634								
M-1			1608								
M-2			1609								
M-3			1602								
M-4			1612								
M-5			1620								
E-1			1549								

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 Tl 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 Tl 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		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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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: _____

www.xenco.com Page 3 of 3

Project Manager:		Bill to: (if different)	
Company Name:	SEE PAGE 1	Company Name:	SEE PAGE 1
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:	Email:		

Work Order Comments

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:	DAGGER RISER	Turn Around	
Project Number:	5198	☒ Routine ☐ Rush	
Project Location:	LEA CO NM	Due Date:	
Sampler's Name:	W. KIERNAF	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:		
Cooler Custody Seals:	Yes No N/A	Correction Factor:		
Sample Custody Seals:	Yes No N/A	Temperature Reading:		
Total Containers:		Corrected Temperature:		

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	BTEX (8021)	TPH (8015)	CHLORIDES (EPA 300	Sample Comments
E-2	SOIL	4/9/22	1642	13'	GRAB	1		X	X	X	
E-3			1644	13'							
E-4			1645	12'							
NE-1			1650	8-9							
NE-2			1652	8-9							

Preservative Codes

None: NO DI Water: H_2O
Cool: Cool MeOH: Me
HCL: HC HNO_3: HN
H_2SO_4: H_2 NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

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 Tl 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 Tl U Hg: 1631 / 245.1 / 7470 / 7471

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		4/11/22 0800	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 890-2177-1
SDG Number: 5198

Login Number: 2177
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: 890-2177-1
SDG Number: 5198

Login Number: 2177
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 04/11/22 03:58 PM

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	

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 111502

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 111502
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	6/6/2022