Terracon
4518 W. Pierce St. Carlsbad NM, 88220

April 9, 2024
Solaris Water Midstream, LLC
3305 Boyd Dr.
Carlsbad NM, 88220

Attn: New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

RE: **Release Investigation, and Closure Report**
Solaris Water Midstream, LLC
Mobley to Berry Trove Line
Unit O, Section 9, Township 24 South, Range 29 East
32.22518°, -103.99175°
Eddy County, New Mexico
Terracon Project No. KH247007

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is submitting our Release Investigation and Closure Report for the above-referenced site. Prepared in line with New Mexico Oil Conservation Division (NMOCD) regulations, this report addresses the environmental actions taken in response to the release of produced water due to a line strike. Detailed assessment and remedial actions by Terracon are outlined in the following sections.

Action Items

Completed Actions

1)	Conducted an initial site assessment and a series of sampling events.
2)	Maps and associated data for approval are provided.
3)	Soil samples collected from the excavation were submitted to an approved laboratory for analysis to determine levels of impact vertically and horizontally.
4)	Excavation of the inferred release area was completed with the intent to remove impacted soil as determined by the Closure Criteria set by NMOCD.
5)	Soil stockpiles on site were placed on plastic and bermed around the edges to reduce loss.
6)	Five-point composite confirmation samples were collected every 200 square feet.
7)	Remedial activities were terminated when a confirmation sample was collected below the NMOCD RALs for Oil and Gas impacted soils.
8)	A summary of the information provided in this report is included in Appendix A, as C-141 summary sheet.

Anticipated Actions

1) Approval by the NMOCD.
2) Following the acceptance of this closure report all areas of the excavation will be backfilled and brought to the surrounding grade and reseeded.

Site Information

The Notice of the Release was provided to the NMOCD District 2 Artesia Office by Rob Kirk on February 1, 2024, with the submission of the initial C-141. NMOCD Reference ID: nAPP2402333573. The site is located within Unit O, Section 9, Township 24 South, Range 29 East, approximately 4.73 miles west of Malaga, New Mexico. A Topographic Map and Site Location Map are included as Exhibit 1 and Exhibit 2 in Appendix A, respectively.

Regulatory Criteria

A review of data from the New Mexico Office of the State Engineer (NMOSE) website identified a water well (C 00463) located 1.06 miles southwest of the site as indicated in the NMOSE Pod Location Map (Exhibit 3, Appendix A). This groundwater well was completed to a depth of 260 feet below ground surface (bgs) in 1953, with a depth to water of 4 feet bgs. A review of the U.S. Fish and Wildlife Service, National Wetlands Inventory website indicates that the Pecos River is located approximately 0.35 miles southwest of the site as indicated in the Designated Wetland Area Map (Exhibit 4, Appendix A). A review of geospatial data obtained from the BLM Carlsbad Field Office website indicated that the site is within an area of medium risk for Karst formations, as indicated in the Cave Karst Public UCP Map (Exhibit 5, Appendix A).

Reclamation Standards

Per New Mexico Administrative Code (NMAC) 19.15.29.12, the closure criteria for the site is based on the remedial requirements for an off-pad release consisting of the removal of the affected soil from the surface to 4 feet below grade surface (bgs). The closure criteria are for Total Benzene, Toluene, Ethylbenzene and Xylenes (Total BTEX) (50 mg/kg) (EPA Method 8021B), Benzene (10 mg/kg) (EPA Method 8021B), Chlorides (600 mg/kg) EPA Method 300), and Total Petroleum Hydrocarbons (TPH) GRO, DRO and MRO (100 mg/kg) (EPA Method 8015M).

Remedial / Delineation Activities

Terracon conducted remedial activities at the site from January 24, 2024, through March 12, 2024. An area of approximately 15,860 square feet was affected by the release. A total of 88 delineation samples from 44 locations were collected and submitted for analysis of BTEX, Chlorides, and TPH. Delineation sample results for BTEX and TPH were below applicable NMOCD closure criteria. Fifteen delineation samples exceeded the closure criteria for Chloride ranging from 612 mg/kg in C17 (4') to 9,530 mg/kg in B7 (0.5'). A Delineation Sample Map depicting the sample locations, analytical results for Chlorides, and the excavation extent are included in Exhibit 6. Delineation sample results are included in Table 1, Appendix B.

Confirmation / Closure Activities

Areas exhibiting visual impact and the areas that exceeded the closure criteria were excavated to a depth of between 0.5 feet to 7 feet bgs. A total of 108 confirmation soil samples were collected from January 31 through March 12, 2024, and submitted for analysis of BTEX, Chlorides, and TPH. Confirmation sample results for BTEX and TPH were below applicable NMOCD closure criteria. Three confirmation samples exceeded the closure criteria for Chloride ranging from 630 mg/kg in B5-SSW (2.5') to 782 mg/kg in F14-FS (0.5'). These three areas were over-excavated and resampled, and the sample results were below applicable NMOCD closure criteria. The excavations were backfilled with imported fill material and the area was seeded with native seed mix. Confirmation sample results are included as Table 2 and Table 3 in Appendix B, respectively.

A total of approximately 1,300 cubic yards (cu. yds.) of loose soil were excavated during remedial activities and 959 cu. yds. of that total came from the reclamation zone, being from surface to four feet below grade surface. Excavated material was stockpiled on-site atop a polyethylene liner pending disposal under an approved Form C-138. The excavated material was disposed of at R360 Red Bluff Facility. Soil disposal waste manifests are available upon request. A Confirmation Sample Map depicting the floor and wall sample locations and analytical results for Chlorides is included in Exhibit 7A and 7B, respectively. Floor and wall confirmation sample analytical results are included in Table 1 and Table 2, respectively. Photographs of the project site are included in Appendix C.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Solaris Midstream respectfully requests closure of the reportable incident that occurred on January 23, 2024, at the NMOCD Reference # nAPP2402333573 - Mobley to Berry Trove Line location.

We are grateful for the opportunity to offer our environmental services to Aris Water Midstream. We are committed to providing the highest level of service and support. Should you need further information or have any queries, we encourage you to reach out to our office at your earliest convenience.

Sincerely,

Terracon

Prepared by:

Charles F. Smith
Senior Consultant
Carlsbad, NM

Reviewed by:

John Grams, P.G. (TX)
Environmental Department Manager
Lubbock, TX

Attachments:

Appendix A – Exhibits

Exhibit 1	–	Topographic Map
Exhibit 2	–	Site Location Map
Exhibit 3	–	NMOSE POD Location Map
Exhibit 4	–	Designated Wetland Area Map
Exhibit 5	–	Cave Karst Public UCP Map
Exhibit 6	–	Delineation Sample Map
Exhibit 7A	–	Confirmation Floor Sample Map (West)
Exhibit 7B	–	Confirmation Wall Sample Map (East)

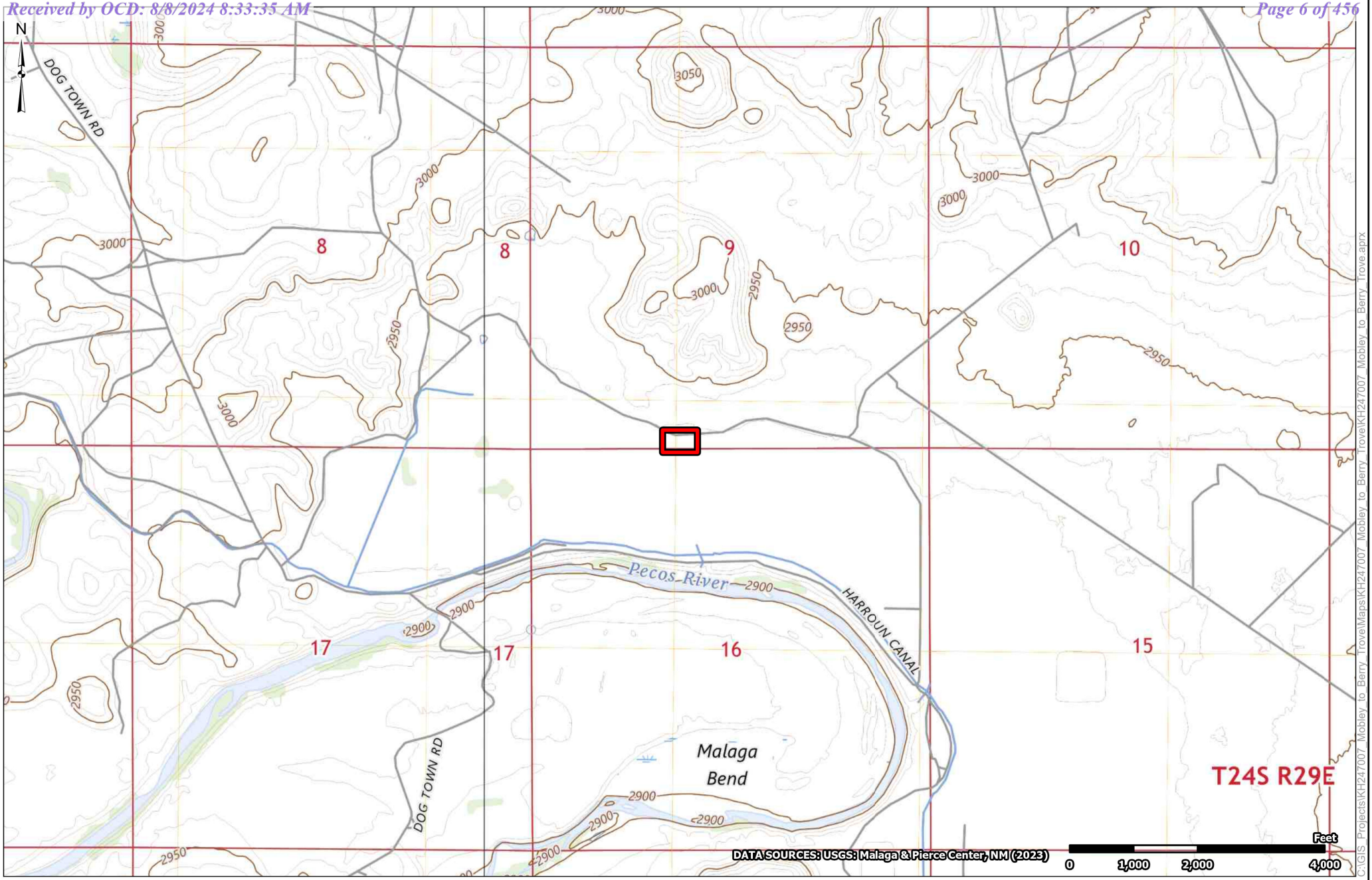
C-141 Summary Sheet

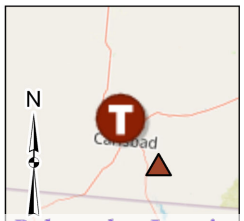
Appendix B – Tables and Well Data

Table 1	–	Delineation Samples
Table 2	-	Confirmation Floor Samples
Table 3	-	Confirmation Wall Samples

A**ppendix C – Photographic Log**
Appendix D – Analytical Report and Chain of Custody
Appendix E – Terracon Standard of Care, Limitation, and Reliance

APPENDIX A – EXHIBITS





Site Boundary

Project No.:	KH247007
Date:	Apr 09 2024
Drawn By:	JWL
Reviewed By:	TLC

terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Topographic Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

1

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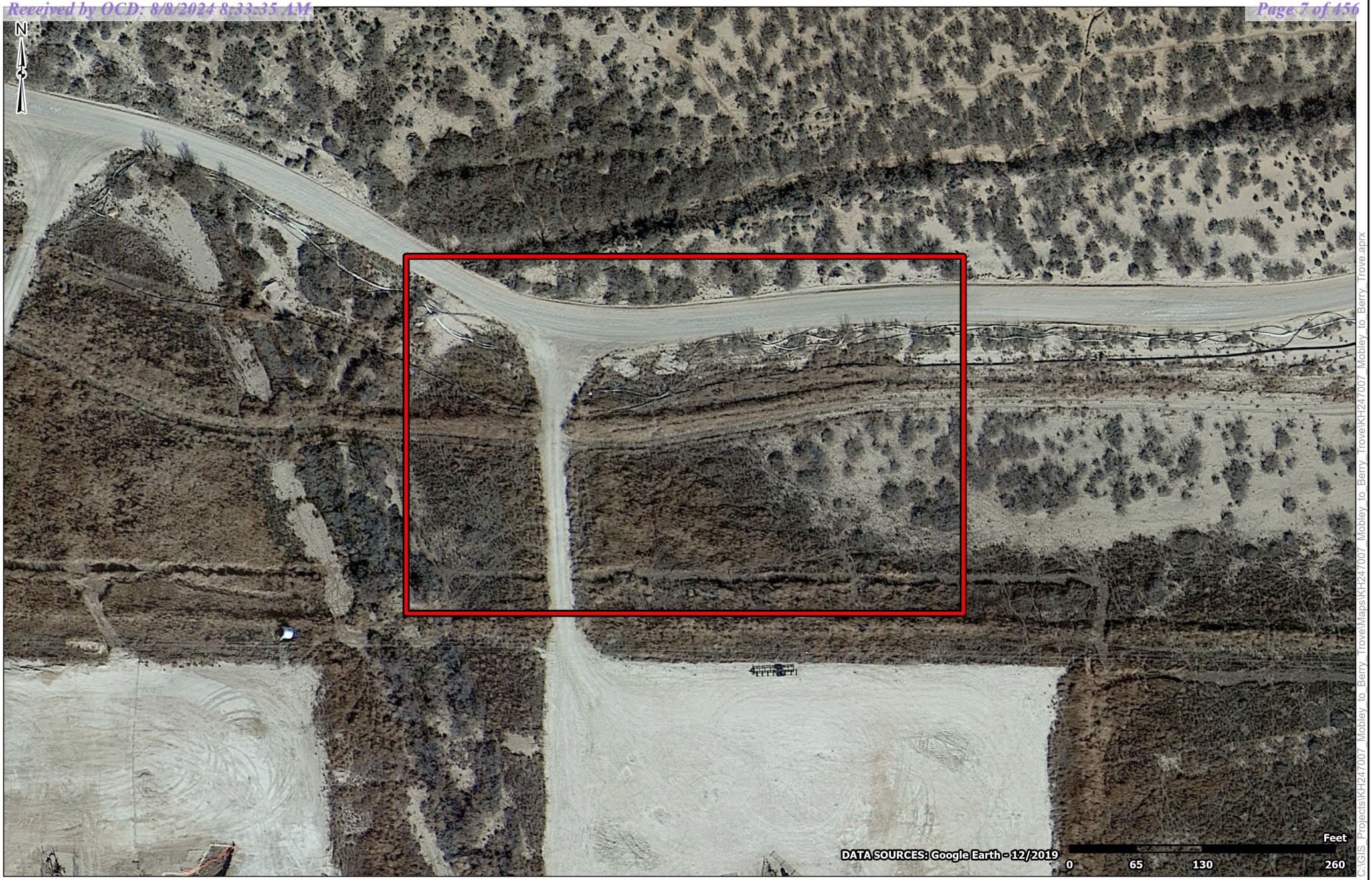

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Site Location Map

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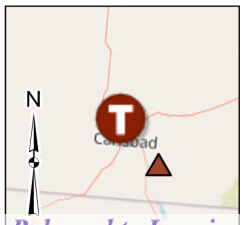
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

2



Site Boundary

NMOSE POD Location

Project No.:	KH247007
Date:	Apr 09 2024
Drawn By:	JWL
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NMOSE POD Location Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

3

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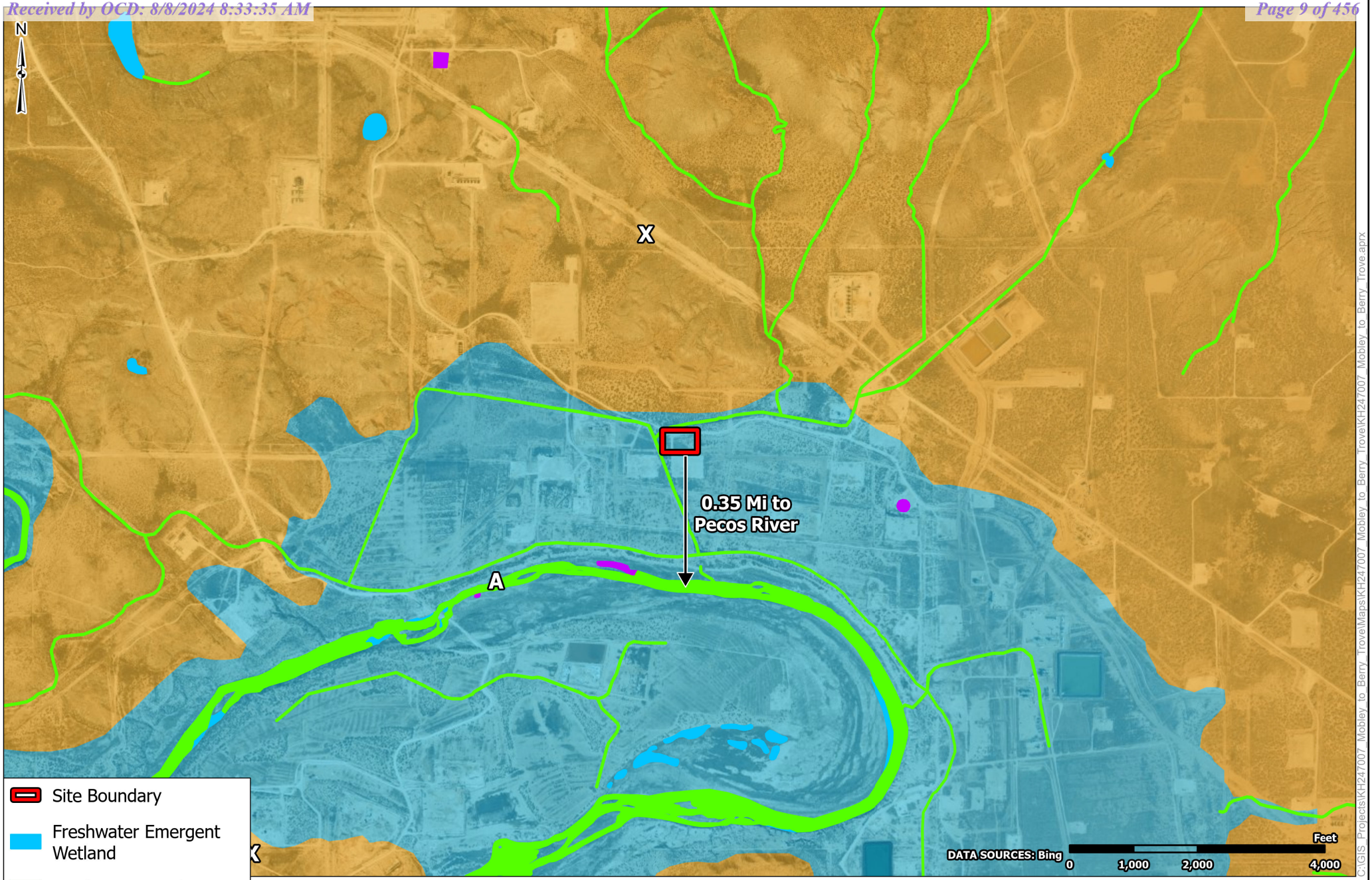

Site Boundary
Freshwater Emergent Wetland
Freshwater Pond
Riverine
Flood Zone
A
X

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Designated Wetland Area Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

4

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Site Boundary

Karst Potential

Low

Medium

High

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Reviewed By:	TLC

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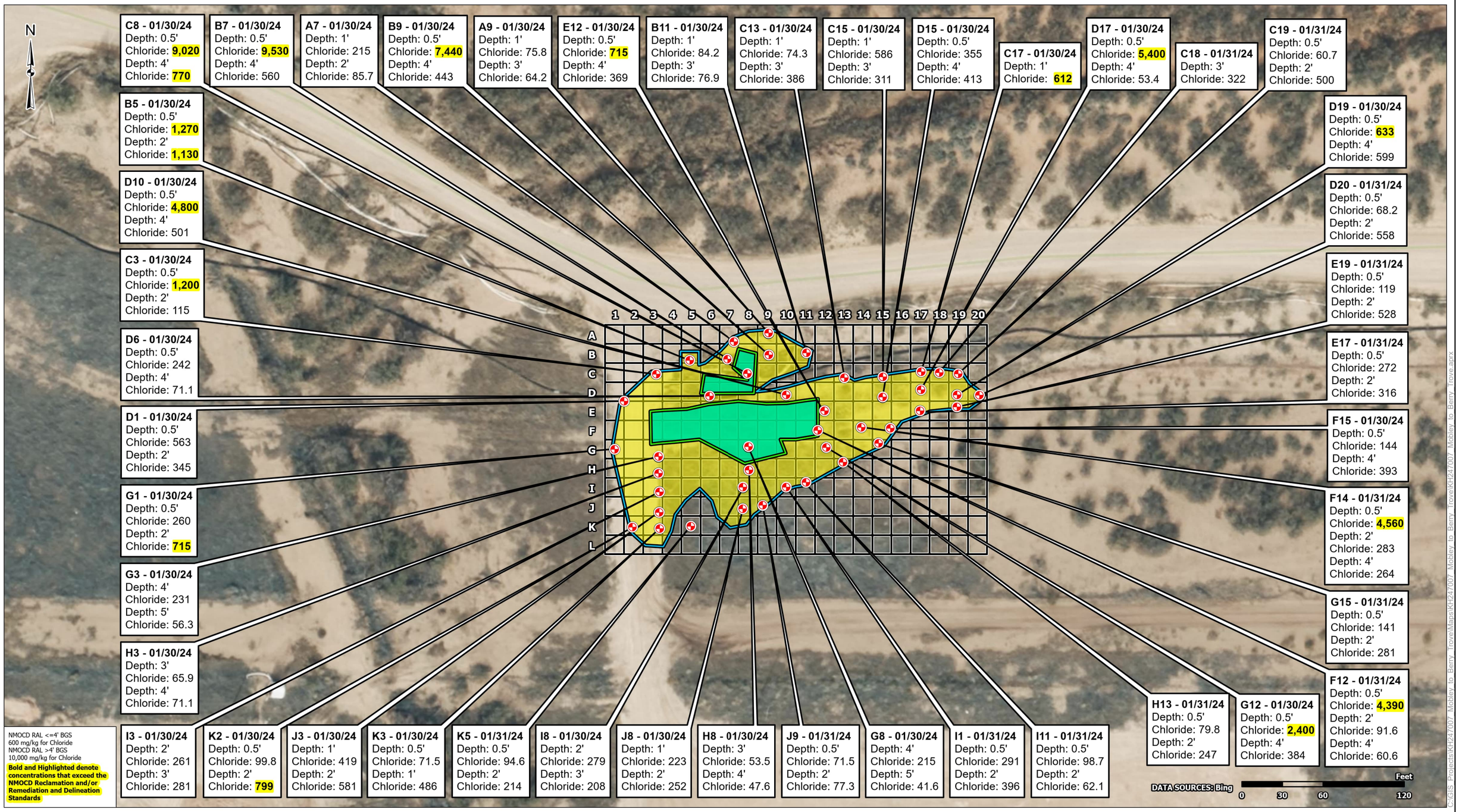
Cave Karst Public UCP Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

5



Delineation Sample

Inferred Release - 0.5' - 2.5' Excavation

3' - 7' Excavation

200 Sq Ft Sampling Grid

Project No.:	KH247007
Date:	Apr 09 2024
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Reviewed By:	TLC

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Delineation Sample Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

6

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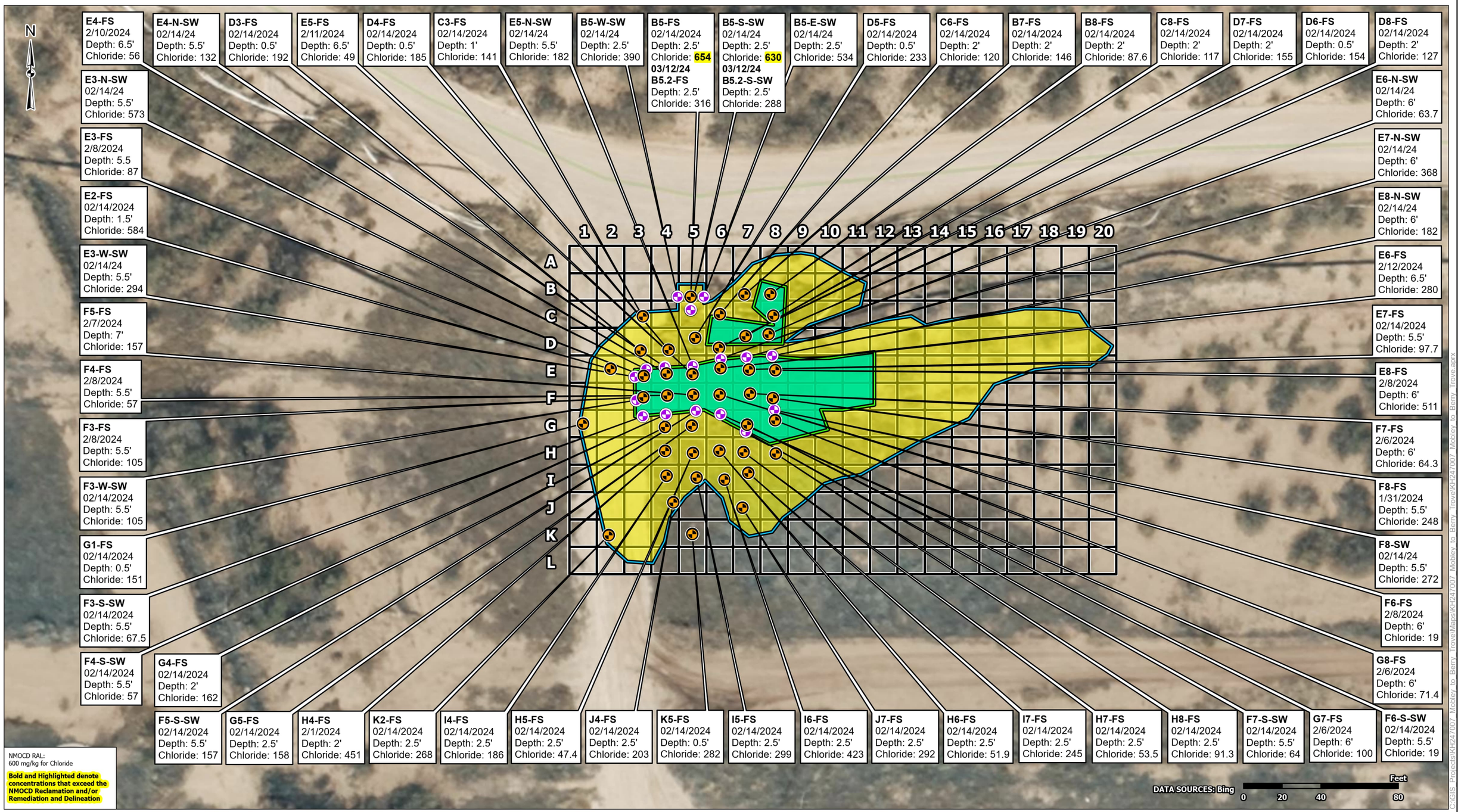

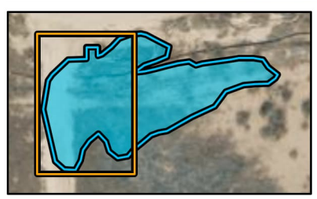

Floor Sample
Wall Sample
Inferred Release - 0.5' - 2.5' Excavation
3' - 7' Excavation
200 Sq Ft Sampling Grid

Project No.:	KH247007
Date:	Apr 09 2024
Drawn By:	JWL
Reviewed By:	JRG

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Carlsbad, NM
PH. 806-300-0140 terracon.com

Confirmation Sample Map (West)

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

7A

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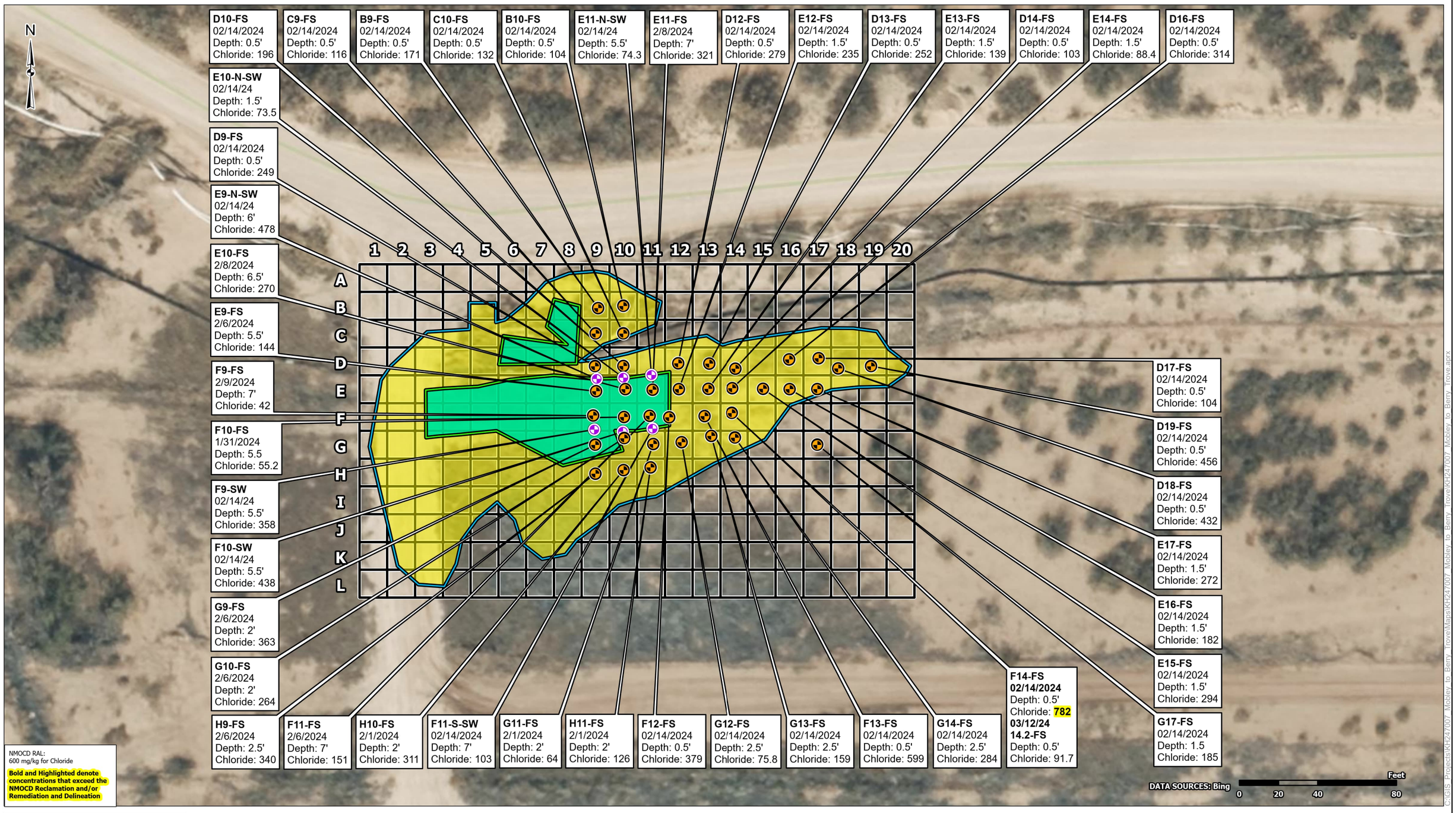

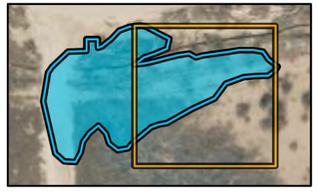

- Floor Sample
- Wall Sample
- Inferred Release - 0.5' - 2.5' Excavation
- 3' - 7' Excavation
- 200 Sq Ft Sampling Grid

Project No.:	KH247007
Date:	Apr 09 2024
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terracon
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Confirmation Sample Map (East)

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

7B

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April 3, 2024

NMOCD REPORT DETAILS

Submission Contact, Application, Fee and Payment Details

Name:	Rob Kirk
Email:	rob.kirk@ariswater.com
Phone:	(469)978-5620

Initial Release C-141

Application Details

Incident ID:	nAPP2402333573			
District:	Hobbs			
County:	Eddy			
Legal Description:	Unit: N	Section: 9	Township: 24S	Range: 29E
Lat/Long:	N: 32.225183		E: -103.991755	

Prerequisites

Incident Operator:	Solaris Water Midstream, LLC
Release Type:	Produced Water
Incident Status:	Iinitial C-141 Approved

Release Information

Site Name:	Mobley to Berry Trove Line	
Date Discovered:	1/24/2024	*(MM/DD/YYY)*
Surface Owner:	Private	

Incident Details

Incident Type:	Produced Water Release
Fire:	No
Injuries:	No
Watercourse:	No
Public Health:	No
Significant to Property or Environment:	Yes
Detrimental to Freshwater:	No

Nature and Volume of Release

Released Product:	Produced Water	
Cause:	Other	
Source:	Pipeline (Any)	
Release:	95	*(bbls/Mcf)*
Recovered:	70	*(bbls/Mcf)*
Additional Details:		

Nature and Volume of Release

Is this a gas submission?	No	
Was this a major release (Y/N) >25bbls?	Yes	
Justification of release volume calculation:		*(Attached Release Volume Calculation)*

Initial Response

Release has been stopped?	Yes	
Release area has been secured?	Yes	
Released material has been contained?	Yes	
All free liquids have been recovered?	Yes	
If actions have not been completed, why?	N/A	*(Attached Explination)*

Remediation Action Plan C-141

Site Characterization

Depth to groundwater beneath effected area?	Less than 25ft	
What method was used to determine depth?	OCD Imaging Records Lookup	
Did release impact GW or Surface Water?	No	
Continuously flowing watercourse?	between 1,000 (ft.) to 1/2 (mi.)	
Lakebed, sinkhole, or playa (measured from the high-water mark)?		between 1/2 to 1 (mi.)
An occupied permanent residence?	greater than 5 (mi.)	
Spring or private domestic well?	greater than 5 (mi.)	
Incorporated municipal boundaries?	greater than 5 (mi.)	
Wetland?	between 1,000 (ft.) to 1/2 (mi.)	
Subsurface mine?	greater than 5 (mi.)	
A (non-karst) unstable area?	0 ft, overlying, or within	
Categorize the risk of this well / site being in a karst geology?		Medium
A 100-year floodplain?		0 ft, overlying, or within
Did the release impact areas not on an exploration, development, production, or storage site?		Yes

April 3, 2024

Remediation Plan

Have lateral and vertical extents of impacts been delineated, to the strictest standards?	Yes		
Was the release entirely contained within a lined containment?	No		
Soil Contamination Sampling. (provide the highest observed value for each)(0.1)	**Chloride**	9,530	(mg/kg)
	Total TPH	0.0	(mg/kg)
	GRO+DRO	0.0	(mg/kg)
	BTEX	0.0	(mg/kg)
	Benzene	0.0	(mg/kg)
Date of Remediation Commencement.	1/25/2024		
Date of Final Sampling or Liner Inspection.	3/12/2024		
Date of Remediation Completion.	3/12/2024		
Estimated Surface Area (sq. ft.) to be reclaimed.	15,860		
Estimated Volume (cu. yds.) to be reclaimed.	1,000		
Estimated Surface Area (sq. ft.) to be remediated.	15,860		
Estimated Volume (cu. yds.) to be remediated.	1,300		
Excavation and off-site disposal (dig & haul).	Yes	(Ex-Situ)	
Excavation and on-site remediation (land farm).	No	(Ex-Situ)	
Soil Vapor Extraction.	No	(In-Situ)	
Chemical processing (soil shredding...etc).	No	(In-Situ)	
Biological processing (microbes / fertilizer...etc).	No	(In-Situ)	
Physical processing (soil washing, gypsum...etc).	No	(In-Situ)	
Ground Water Abatement.	No		
Other (Non-listed remedial process).	N/A		

Closure/Deferral Request C-141

Deferral Request (attachment with explanation)	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion.	Yes	
Total Surface Area (sq. ft.) to be remediated.	15,860	(Square Feet)
Total Volume (cu. yds.) to be remediated.	1,300	(Cubic Yards)
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene.	Yes	
Total Surface Area (sq. ft.) to be reclaimed.	15,860	(Square Feet)
Total Volume (cu. yds.) to be reclaimed.	959	(Cubic Yards)
Attached Summary of Additional Remediation Activities.	Yes	
Requesting Approval of Reclamation Completion.	Yes	

APPENDIX B – TABLES AND WELL DATA

Table 1
Soil Analytical Results Summary - Delineation Samples
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment											
A-7	1/29/2024	1.00	Grab	In-situ	215	ND	ND	ND	ND	ND	ND
A-7	1/29/2024	2.00	Grab	In-situ	85.7	ND	ND	ND	ND	ND	ND
A-9	1/29/2024	1.00	Grab	In-situ	75.8	ND	ND	ND	ND	ND	ND
A-9	1/29/2024	3.00	Grab	In-situ	64.2	ND	ND	ND	ND	ND	ND
B-7	1/29/2024	0.50	Grab	In-situ	**9,530**	ND	ND	ND	ND	ND	ND
B-7	1/29/2024	4.00	Grab	In-situ	560	ND	ND	ND	ND	ND	ND
B-9	1/29/2024	0.5'	Grab	In-situ	**7,440**	ND	ND	ND	ND	ND	ND
B-9	1/29/2024	4.00	Grab	In-situ	443	ND	ND	ND	ND	ND	ND
B-11	1/29/2024	1.00	Grab	In-situ	84.2	ND	ND	ND	ND	ND	ND
B-11	1/29/2024	3.00	Grab	In-situ	76.9	ND	ND	ND	ND	ND	ND
C-8	1/29/2024	0.50	Grab	In-situ	**9,020**	ND	ND	ND	ND	ND	ND
C-8	1/29/2024	4.00	Grab	In-situ	**770**	ND	ND	ND	ND	ND	ND
C-13	1/29/2024	1.00	Grab	In-situ	74.3	ND	ND	ND	ND	ND	ND
C-13	1/29/2024	3.00	Grab	In-situ	386	ND	ND	ND	ND	ND	ND
C-15	1/29/2024	1.00	Grab	In-situ	586	ND	ND	ND	ND	ND	ND
C-15	1/29/2024	3.00	Grab	In-situ	311	ND	ND	ND	ND	ND	ND
C-17	1/29/2024	1.00	Grab	In-situ	**612**	ND	ND	ND	ND	ND	ND
C-18	1/29/2024	3.00	Grab	In-situ	322	ND	ND	ND	ND	ND	ND
D-6	1/29/2024	0.50	Grab	In-situ	242	ND	ND	ND	ND	ND	ND
D-6	1/29/2024	4.00	Grab	In-situ	71.1	ND	ND	ND	ND	ND	ND
D-10	1/29/2024	0.50	Grab	In-situ	**4,800**	ND	ND	ND	ND	ND	ND
D-10	1/29/2024	4.00	Grab	In-situ	501	ND	ND	ND	ND	ND	ND
D-15	1/29/2024	0.50	Grab	In-situ	355	ND	ND	ND	ND	ND	ND
D-15	1/29/2024	4.00	Grab	In-situ	413	ND	ND	ND	ND	ND	ND
D-17	1/29/2024	0.50	Grab	In-situ	**5,400**	ND	ND	ND	ND	ND	ND
D-17	1/29/2024	4.00	Grab	In-situ	53.4	ND	ND	ND	ND	ND	ND
D-19	1/29/2024	0.50	Grab	In-situ	**633**	ND	ND	ND	ND	ND	ND
D-19	1/29/2024	4.00	Grab	In-situ	599	ND	ND	ND	ND	ND	ND
E-12	1/29/2024	0.50	Grab	In-situ	**715**	ND	ND	ND	ND	ND	ND
E-12	1/29/2024	4.00	Grab	In-situ	369	ND	ND	ND	ND	ND	ND
F-15	1/29/2024	0.50	Grab	In-situ	144	ND	ND	ND	ND	ND	ND
F-15	1/29/2024	4.00	Grab	In-situ	393	ND	ND	ND	ND	ND	ND
G-12	1/29/2024	0.50	Grab	In-situ	**2,400**	ND	ND	ND	ND	ND	ND
G-12	1/29/2024	4.00	Grab	In-situ	384	ND	ND	ND	ND	ND	ND
B-5	1/30/2024	0.50	Grab	In-situ	**1,270**	ND	ND	ND	ND	ND	ND
B-5	1/30/2024	2.00	Grab	In-situ	**1,130**	ND	ND	ND	ND	ND	ND
C-3	1/30/2024	0.50	Grab	In-situ	**1,200**	ND	ND	ND	ND	ND	ND
C-3	1/30/2024	2.00	Grab	In-situ	115	ND	ND	ND	ND	ND	ND
D-1	1/30/2024	0.50	Grab	In-situ	563	ND	ND	ND	ND	ND	ND
D-1	1/30/2024	2.00	Grab	In-situ	345	ND	ND	ND	ND	ND	ND
G-1	1/30/2024	0.50	Grab	In-situ	260	ND	ND	ND	ND	ND	ND
G-1	1/30/2024	2.00	Grab	In-situ	**715**	ND	ND	ND	ND	ND	ND
G-3	1/30/2024	4.00	Grab	In-situ	231	ND	ND	ND	ND	ND	ND
G-3	1/30/2024	5.00	Grab	In-situ	56.3	ND	ND	ND	ND	ND	ND
G-8	1/30/2024	4.00	Grab	In-situ	215	ND	ND	ND	ND	ND	ND
G-8	1/30/2024	5.00	Grab	In-situ	41.6	ND	ND	ND	ND	ND	ND
H-3	1/30/2024	3.00	Grab	In-situ	65.9	ND	ND	ND	ND	ND	ND
H-3	1/30/2024	4.00	Grab	In-situ	71.1	ND	ND	ND	ND	ND	ND
H-8	1/30/2024	3.00	Grab	In-situ	53.5	ND	ND	ND	ND	ND	ND
H-8	1/30/2024	4.00	Grab	In-situ	47.6	ND	ND	ND	ND	ND	ND
I-1	1/30/2024	0.50	Grab	In-situ	291	ND	ND	ND	ND	ND	ND
I-1	1/30/2024	2.00	Grab	In-situ	396	ND	ND	ND	ND	ND	ND
I-3	1/30/2024	2.00	Grab	In-situ	261	ND	ND	ND	ND	ND	ND
I-3	1/30/2024	3.00	Grab	In-situ	281	ND	ND	ND	ND	ND	ND
I-8	1/30/2024	2.00	Grab	In-situ	279	ND	ND	ND	ND	ND	ND
I-8	1/30/2024	3.00	Grab	In-situ	208	ND	ND	ND	ND	ND	ND
J-3	1/30/2024	1.00	Grab	In-situ	419	ND	ND	ND	ND	ND	ND
J-3	1/30/2024	2.00	Grab	In-situ	581	ND	ND	ND	ND	ND	ND
J-8	1/30/2024	1.00	Grab	In-situ	223	ND	ND	ND	ND	ND	ND
J-8	1/30/2024	2.00	Grab	In-situ	252	ND	ND	ND	ND	ND	ND
K-2	1/30/2024	0.50	Grab	In-situ	99.8	ND	ND	ND	ND	ND	ND
K-2	1/30/2024	2.00	Grab	In-situ	**799**	ND	ND	ND	ND	ND	ND
K-3	1/30/2024	0.50	Grab	In-situ	71.5	ND	ND	ND	ND	ND	ND
K-3	1/30/2024	1.00	Grab	In-situ	486	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)					600	10	50	100	N/A		
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft bgs)					600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 1
Soil Analytical Results Summary - Delineation Samples
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample End Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Release Assessment											
C-19	1/31/2024	0.50	Grab	In-situ	60.7	ND	ND	ND	ND	ND	ND
C-19	1/31/2024	2.00	Grab	In-situ	500	ND	ND	ND	ND	ND	ND
D-20	1/31/2024	0.50	Grab	In-situ	68.2	ND	ND	ND	ND	ND	ND
D-20	1/31/2024	2.00	Grab	In-situ	558	ND	ND	ND	ND	ND	ND
E-17	1/31/2024	0.50	Grab	In-situ	272	ND	ND	ND	ND	ND	ND
E-17	1/31/2024	2.00	Grab	In-situ	316	ND	ND	ND	ND	ND	ND
E-19	1/31/2024	0.50	Grab	In-situ	119	ND	ND	ND	ND	ND	ND
E-19	1/31/2024	2.00	Grab	In-situ	528	ND	ND	ND	ND	ND	ND
F-12	1/31/2024	0.50	Grab	In-situ	**4,390**	ND	ND	ND	ND	ND	ND
F-12	1/31/2024	2.00	Grab	In-situ	91.6	ND	ND	ND	ND	ND	ND
F-12	1/31/2024	4.00	Grab	In-situ	60.6	ND	ND	ND	ND	ND	ND
F-14	1/31/2024	0.50	Grab	In-situ	**4,560**	ND	ND	ND	ND	ND	ND
F-14	1/31/2024	2.00	Grab	In-situ	283	ND	ND	ND	ND	ND	ND
F-14	1/31/2024	4.00	Grab	In-situ	264	ND	ND	ND	ND	ND	ND
G-15	1/31/2024	0.50	Grab	In-situ	141	ND	ND	ND	ND	ND	ND
G-15	1/31/2024	2.00	Grab	In-situ	281	ND	ND	ND	ND	ND	ND
H-13	1/31/2024	0.50	Grab	In-situ	79.8	ND	ND	ND	ND	ND	ND
H-13	1/31/2024	2.00	Grab	In-situ	247	ND	ND	ND	ND	ND	ND
I-11	1/31/2024	0.50	Grab	In-situ	98.7	ND	ND	ND	ND	ND	ND
I-11	1/31/2024	2.00	Grab	In-situ	62.1	ND	ND	ND	ND	ND	ND
J-9	1/31/2024	0.50	Grab	In-situ	71.5	ND	ND	ND	ND	ND	ND
J-9	1/31/2024	2.00	Grab	In-situ	77.3	ND	ND	ND	ND	ND	ND
K-5	1/31/2024	0.50	Grab	In-situ	94.6	ND	ND	ND	ND	ND	ND
K-5	1/31/2024	2.00	Grab	In-situ	214	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3]					600	10	50	100	N/A		
NMOCD Remediation Standards[4]					600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 2
Soil Analytical Results Summary - Confirmation Evaluation (Floor Samples)
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Floor Samples											
B10-FS	02/14/2024	0.5'	Composite	In-Situ	104	ND	ND	ND	ND	ND	ND
B5-FS	02/14/2024	2.5'	Composite	In-Situ	**654**	ND	ND	ND	ND	ND	ND
B5.2-FS	3/12/2024	2.5	Composite	In-Situ	316	ND	ND	ND	ND	ND	ND
B7-FS	02/14/2024	2'	Composite	In-Situ	146	ND	ND	ND	ND	ND	ND
B8-FS	02/14/2024	2'	Composite	In-Situ	87.6	ND	ND	ND	ND	ND	ND
B9-FS	02/14/2024	0.5'	Composite	In-Situ	171	ND	ND	ND	ND	ND	ND
C10-FS	02/14/2024	0.5'	Composite	In-Situ	132	ND	ND	ND	ND	ND	ND
C3-FS	02/14/2024	1'	Composite	In-Situ	141	ND	ND	ND	ND	ND	ND
C6-FS	02/14/2024	2'	Composite	In-Situ	120	ND	ND	ND	ND	ND	ND
C8-FS	02/14/2024	2'	Composite	In-Situ	117	ND	ND	ND	ND	ND	ND
C9-FS	02/14/2024	0.5'	Composite	In-Situ	116	ND	ND	ND	ND	ND	ND
D10-FS	02/14/2024	0.5'	Composite	In-Situ	196	ND	ND	ND	ND	ND	ND
D12-FS	02/14/2024	0.5'	Composite	In-Situ	279	ND	ND	ND	ND	ND	ND
D13-FS	02/14/2024	0.5'	Composite	In-Situ	252	ND	ND	ND	ND	ND	ND
D14-FS	02/14/2024	0.5'	Composite	In-Situ	103	ND	ND	ND	ND	ND	ND
D16-FS	02/14/2024	0.5'	Composite	In-Situ	314	ND	ND	ND	ND	ND	ND
D17-FS	02/14/2024	0.5'	Composite	In-Situ	104	ND	ND	ND	ND	ND	ND
D18-FS	02/14/2024	0.5'	Composite	In-Situ	432	ND	ND	ND	ND	ND	ND
D19-FS	02/14/2024	0.5'	Composite	In-Situ	456	ND	ND	ND	ND	ND	ND
D3-FS	02/14/2024	0.5'	Composite	In-Situ	192	ND	ND	ND	ND	ND	ND
D4-FS	02/14/2024	0.5'	Composite	In-Situ	185	ND	ND	ND	ND	ND	ND
D5-FS	02/14/2024	0.5'	Composite	In-Situ	233	ND	ND	ND	ND	ND	ND
D6-FS	02/14/2024	0.5'	Composite	In-Situ	154	ND	ND	ND	ND	ND	ND
D7-FS	02/14/2024	2'	Composite	In-Situ	155	ND	ND	ND	ND	ND	ND
D8-FS	02/14/2024	2'	Composite	In-Situ	127	ND	ND	ND	ND	ND	ND
D9-FS	02/14/2024	0.5'	Composite	In-Situ	249	ND	ND	ND	ND	ND	ND
E10-FS	2/8/2024	6.5'	Composite	In-Situ	270	ND	ND	ND	ND	ND	ND
E11-FS	2/8/2024	7'	Composite	In-Situ	321	ND	ND	ND	ND	ND	ND
E12-FS	02/14/2024	1.5'	Composite	In-Situ	235	ND	ND	ND	ND	ND	ND
E13-FS	02/14/2024	1.5'	Composite	In-Situ	139	ND	ND	ND	ND	ND	ND
E14-FS	02/14/2024	1.5'	Composite	In-Situ	88.4	ND	ND	ND	ND	ND	ND
E15-FS	02/14/2024	1.5'	Composite	In-Situ	294	ND	ND	ND	ND	ND	ND
E16-FS	02/14/2024	1.5'	Composite	In-Situ	182	ND	ND	ND	ND	ND	ND
E17-FS	02/14/2024	1.5'	Composite	In-Situ	272	ND	ND	ND	ND	ND	ND
E2-FS	02/14/2024	1.5'	Composite	In-Situ	584	ND	ND	ND	ND	ND	ND
E3-FS	2/8/2024	5.5	Composite	In-Situ	87	ND	ND	ND	ND	ND	ND
E4 FS	2/10/2024	6.5'	Composite	In-Situ	56	ND	ND	ND	ND	ND	ND
E5 FS	2/11/2024	6.5'	Composite	In-Situ	49	ND	ND	ND	ND	ND	ND
E6 FS	2/12/2024	6.5'	Composite	In-Situ	280	ND	ND	ND	ND	ND	ND
E7-FS	02/14/2024	5.5'	Composite	In-Situ	97.7	ND	ND	ND	ND	ND	ND
E8-FS	2/8/2024	6'	Composite	In-Situ	511	ND	ND	ND	ND	ND	ND
E9 FS	2/6/2024	5.5'	Composite	In-Situ	144	ND	ND	ND	ND	ND	ND
F10-FS	1/31/2024	5.5	Composite	In-Situ	55.2	ND	ND	ND	ND	ND	ND
F11-FS	2/6/2024	7'	Composite	In-Situ	151	ND	ND	ND	ND	ND	ND
F12-FS	02/14/2024	0.5'	Composite	In-Situ	379	ND	ND	ND	ND	ND	ND
F13-FS	02/14/2024	0.5'	Composite	In-Situ	599	ND	ND	ND	ND	ND	ND
F14-FS	02/14/2024	0.5'	Composite	In-Situ	**782**	ND	ND	ND	ND	ND	ND
F14.2-FS	3/12/2024	0.5	Composite	In-Situ	91.7	ND	ND	ND	ND	ND	ND
F3-FS	2/8/2024	5.5'	Composite	In-Situ	105	ND	ND	ND	ND	ND	ND
F4-FS	2/8/2024	5.5'	Composite	In-Situ	57	ND	ND	ND	ND	ND	ND
F5 FS	2/7/2024	7'	Composite	In-Situ	157	ND	ND	ND	ND	ND	ND
F6 FS	2/8/2024	6'	Composite	In-Situ	19	ND	ND	ND	ND	ND	ND
F7 FS	2/6/2024	6'	Composite	In-Situ	64.3	ND	ND	ND	ND	ND	ND
F8 FS	2/6/2024	6'	Composite	In-Situ	112	ND	ND	ND	ND	ND	ND
F8-FS	1/31/2024	5.5'	Composite	In-Situ	248	ND	ND	ND	ND	ND	ND
F9 FS	2/9/2024	7'	Composite	In-Situ	42	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)					600	10	50	100	N/A		
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft					600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 2
Soil Analytical Results Summary - Confirmation Evaluation (Floor Samples)
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Floor Samples											
G10 FS	2/6/2024	2'	Composite	In-Situ	264	ND	ND	ND	ND	ND	ND
G11-FS	2/1/2024	2'	Composite	In-Situ	64	ND	ND	ND	ND	ND	ND
G12-FS	02/14/2024	2.5'	Composite	In-Situ	75.8	ND	ND	ND	ND	ND	ND
G13-FS	02/14/2024	2.5'	Composite	In-Situ	159	ND	ND	ND	ND	ND	ND
G14-FS	02/14/2024	2.5'	Composite	In-Situ	284	ND	ND	ND	ND	ND	ND
G17-FS	02/14/2024	1.5	Composite	In-Situ	185	ND	ND	ND	ND	ND	ND
G1-FS	02/14/2024	0.5'	Composite	In-Situ	151	ND	ND	ND	ND	ND	ND
G4-FS	02/14/2024	2'	Composite	In-Situ	162	ND	ND	ND	ND	ND	ND
G5-FS	02/14/2024	2.5'	Composite	In-Situ	158	ND	ND	ND	ND	ND	ND
G7 FS	2/6/2024	6'	Composite	In-Situ	100	ND	ND	ND	ND	ND	ND
G8 FS	2/6/2024	6'	Composite	In-Situ	71.4	ND	ND	ND	ND	ND	ND
G9-FS	2/6/2024	2'	Composite	In-Situ	363	ND	ND	ND	ND	ND	ND
H10-FS	2/1/2024	2'	Composite	In-Situ	311	ND	ND	ND	ND	ND	ND
H11-FS	2/1/2024	2'	Composite	In-Situ	126	ND	ND	ND	ND	ND	ND
H4-FS	2/1/2024	2'	Composite	In-Situ	451	ND	ND	ND	ND	ND	ND
H5-FS	02/14/2024	2.5'	Composite	In-Situ	47.4	ND	ND	ND	ND	ND	ND
H6-FS	02/14/2024	2.5'	Composite	In-Situ	51.9	ND	ND	ND	ND	ND	ND
H7-FS	02/14/2024	2.5'	Composite	In-Situ	53.5	ND	ND	ND	ND	ND	ND
H8-FS	02/14/2024	2.5'	Composite	In-Situ	91.3	ND	ND	ND	ND	ND	ND
H9-FS	2/6/2024	2.5'	Composite	In-Situ	340	ND	ND	ND	ND	ND	ND
I4-FS	02/14/2024	2.5'	Composite	In-Situ	186	ND	ND	ND	ND	ND	ND
I5-FS	02/14/2024	2.5'	Composite	In-Situ	299	ND	ND	ND	ND	ND	ND
I6-FS	02/14/2024	2.5'	Composite	In-Situ	423	ND	ND	ND	ND	ND	ND
I7-FS	02/14/2024	2.5'	Composite	In-Situ	245	ND	ND	ND	ND	ND	ND
J4-FS	02/14/2024	2.5'	Composite	In-Situ	203	ND	ND	ND	ND	ND	ND
J7-FS	02/14/2024	2.5'	Composite	In-Situ	292	ND	ND	ND	ND	ND	ND
K2-FS	02/14/2024	2.5'	Composite	In-Situ	268	ND	ND	ND	ND	ND	ND
K5-FS	02/14/2024	0.5'	Composite	In-Situ	282	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)					600	10	50	100	N/A		
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft					600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 3
Soil Analytical Results Summary - Confirmation Evaluation (Wall Samples)
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample End Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Wall Samples												
B5-ESW	02/14/2024	0'	2.5'	Composite	In-Situ	534	ND	ND	ND	ND	ND	ND
B5-SSW	02/14/2024	0'	2.5'	Composite	In-Situ	**630**	ND	ND	ND	ND	ND	ND
B5.2-SSW	3/12/2024	0'	2.5'	Composite	In-Situ	288	ND	ND	ND	ND	ND	ND
B5-WSW	02/14/2024	0'	2.5'	Composite	In-Situ	390	ND	ND	ND	ND	ND	ND
E10-NSW	2/6/2024	0'	1.5	Composite	In-Situ	73.5	ND	ND	ND	ND	ND	ND
E11-NSW	02/14/2024	0'	5.5'	Composite	In-Situ	74.3	ND	ND	ND	ND	ND	ND
E3-NSW	2/1/2024	0'	5.5'	Composite	In-Situ	573	ND	ND	ND	ND	ND	ND
E3-WSW	2/6/2024	0'	5.5'	Composite	In-Situ	294	ND	ND	ND	ND	ND	ND
E4-NSW	2/6/2024	0'	5.5'	Composite	In-Situ	132	ND	ND	ND	ND	ND	ND
E5-NSW	2/1/2024	0'	5.5'	Composite	In-Situ	182	ND	ND	ND	ND	ND	ND
E6-NSW	2/6/2024	0'	6'	Composite	In-Situ	63.7	ND	ND	ND	ND	ND	ND
E7-NSW	2/1/2024	0'	6'	Composite	In-Situ	368	ND	ND	ND	ND	ND	ND
E8-NSW	02/14/2024	0'	6'	Composite	In-Situ	182	ND	ND	ND	ND	ND	ND
E9-NSW	2/1/2024	0'	6'	Composite	In-Situ	478	ND	ND	ND	ND	ND	ND
F10-SW	1/31/2024	0'	5.5'	Composite	In-Situ	438	ND	ND	ND	ND	ND	ND
F11-SSW	2/6/2024	0'	7'	Composite	In-Situ	103	ND	ND	ND	ND	ND	ND
F3-SSW	02/14/2024	0'	5.5'	Composite	In-Situ	67.5	ND	ND	ND	ND	ND	ND
F3-WSW	2/7/2024	0'	5.5'	Composite	In-Situ	105	ND	ND	ND	ND	ND	ND
F4-SSW	2/7/2024	0'	5.5'	Composite	In-Situ	57	ND	ND	ND	ND	ND	ND
F5-SSW	2/7/2024	0'	5.5'	Composite	In-Situ	157	ND	ND	ND	ND	ND	ND
F6-SSW	2/7/2024	0'	5.5'	Composite	In-Situ	19	ND	ND	ND	ND	ND	ND
F7-SSW	2/7/2024	0'	5.5'	Composite	In-Situ	64	ND	ND	ND	ND	ND	ND
F8-SW	1/31/2024	0'	5.5'	Composite	In-Situ	272	ND	ND	ND	ND	ND	ND
F9-SW	1/31/2024	0'	5.5'	Composite	In-Situ	358	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)						600	10	50	100	N/A		
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft bgs)						600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

Table 3
Soil Analytical Results Summary - Confirmation Evaluation (Wall Samples)
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Start Depth (ft bgs)	Sample End Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
						EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Wall Samples												
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)						600	10	50	100	100		100
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft bgs)						600	10	50	100	1,000		1000

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

< = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.
Excavated = Sample is representative of materials which was excavated and disposed of at a permitted disposal facility.

APPENDIX C – PHOTOGRAPHIC LOG

Photo 1: Release Area Facing East

Photo 2: Release Area Facing West

Photo 3: Release Point Facing East and Repair of 12" Polyline

Photo 4: Excavation Facing East 12" Repair on Left

Photo 5: Excavation Facing West

Photo 6: Surface Lines to the North in Release Area

Photo 7: Surface Lines to the North of Release

Photo 8: Excavation Southwest Corner

APPENDIX D – ANALYTICAL REPORT AND CHAIN OF CUSTODY

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 2/19/2024 4:21:09 PM

JOB DESCRIPTION

Mobley to Trove
KH247007

JOB NUMBER

890-6117-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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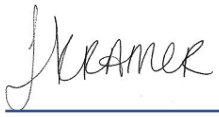
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6117-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
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: Terracon Consulting Eng & Scientists Job ID: 890-6117-1
Project: Mobley to Trove

Job ID: 890-6117-1 Eurofins Carlsbad

Job Narrative
890-6117-1

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

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

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

Receipt
The samples were received on 2/6/2024 3:55 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.6°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: E7 FS (890-6117-1), E9 FS (890-6117-2), F7 FS (890-6117-3), F8 FS (890-6117-4), G7 FS (890-6117-5), G8 FS (890-6117-6), G10 FS (890-6117-7), E3 W-SW (890-6117-8), E4 N-SW (890-6117-9), E6 N-SW (890-6117-10), E8 N-SW (890-6117-11), E10 N-SW (890-6117-12), E 11 E-SW (890-6117-13), F11 FS (890-6117-14) and F11 S-SW (890-6117-15).

GC VOA
Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73190 and analytical batch 880-73398 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73398 recovered above the upper control limit for Benzene. 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 880-73398/64).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72671 and analytical batch 880-72692 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: G8 FS (890-6117-6), G10 FS (890-6117-7), E3 W-SW (890-6117-8), E4 N-SW (890-6117-9), E6 N-SW (890-6117-10), E8 N-SW (890-6117-11), F11 FS (890-6117-14), F11 S-SW (890-6117-15) and (880-39111-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72722 and analytical batch 880-73204 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-72722 and analytical batch 880-73204 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73298 and analytical batch 880-73414 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-73298 and analytical batch 880-73414 was outside control limits. Sample non-homogeneity is suspected.

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6117-1
Project: Mobley to Trove

Job ID: 890-6117-1 (Continued) Eurofins Carlsbad

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

HPLC/IC
Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-72650 and analytical batch 880-72725 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.

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E7 FS

Lab Sample ID: 890-6117-1
Matrix: Solid
Date Collected: 02/06/24 08:56
Date Received: 02/06/24 15:55
Sample Depth: 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 07:08	1
Ethylbenzene	<0.00199	U F1	0.00199		mg/Kg		02/14/24 16:44	02/17/24 07:08	1
Toluene	<0.00199	U F1	0.00199		mg/Kg		02/14/24 16:44	02/17/24 07:08	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		02/14/24 16:44	02/17/24 07:08	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		02/14/24 16:44	02/17/24 07:08	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/14/24 16:44	02/17/24 07:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:08*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/24 07:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/18/24 10:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/09/24 10:27	02/18/24 10:12	1
Diesel Range Organics (Over C10-C28)	<49.8	U F2	49.8		mg/Kg		02/09/24 10:27	02/18/24 10:12	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/09/24 10:27	02/18/24 10:12	1
Total TPH	<49.8	U	49.8		mg/Kg		02/09/24 10:27	02/18/24 10:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*02/09/24 10:27*	*02/18/24 10:12*	*1*
o-Terphenyl	*74*		*70 - 130*	*02/09/24 10:27*	*02/18/24 10:12*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**611**		25.3		mg/Kg			02/09/24 21:21	5

Client Sample ID: E9 FS

Lab Sample ID: 890-6117-2
Matrix: Solid
Date Collected: 02/06/24 08:58
Date Received: 02/06/24 15:55
Sample Depth: 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 07:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 07:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 07:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/14/24 16:44	02/17/24 07:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/14/24 16:44	02/17/24 07:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 07:29	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E9 FS

Lab Sample ID: 890-6117-2
Matrix: Solid
Date Collected: 02/06/24 08:58
Date Received: 02/06/24 15:55
Sample Depth: 5.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:29*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:29*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/17/24 07:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/18/24 11:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/09/24 10:27	02/18/24 11:19	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/09/24 10:27	02/18/24 11:19	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/09/24 10:27	02/18/24 11:19	1
Total TPH	<50.3	U	50.3		mg/Kg		02/09/24 10:27	02/18/24 11:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*93*		*70 - 130*	*02/09/24 10:27*	*02/18/24 11:19*	*1*
o-Terphenyl	*76*		*70 - 130*	*02/09/24 10:27*	*02/18/24 11:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**144**		5.03		mg/Kg			02/09/24 21:41	1

Client Sample ID: F7 FS

Lab Sample ID: 890-6117-3
Matrix: Solid
Date Collected: 02/06/24 09:00
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 07:50	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 07:50	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 07:50	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/14/24 16:44	02/17/24 07:50	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/14/24 16:44	02/17/24 07:50	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 07:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:50*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/14/24 16:44*	*02/17/24 07:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/17/24 07:50	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F7 FS

Lab Sample ID: 890-6117-3
Matrix: Solid
Date Collected: 02/06/24 09:00
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/18/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/09/24 10:27	02/18/24 11:41	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/09/24 10:27	02/18/24 11:41	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/09/24 10:27	02/18/24 11:41	1
Total TPH	<50.1	U	50.1		mg/Kg		02/09/24 10:27	02/18/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/09/24 10:27*	*02/18/24 11:41*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/09/24 10:27*	*02/18/24 11:41*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.3**		4.97		mg/Kg			02/09/24 21:48	1

Client Sample ID: F8 FS

Lab Sample ID: 890-6117-4
Matrix: Solid
Date Collected: 02/06/24 09:02
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/14/24 16:44	02/17/24 08:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/14/24 16:44	02/17/24 08:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/14/24 16:44	02/17/24 08:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/14/24 16:44	02/17/24 08:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/14/24 16:44	02/17/24 08:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/14/24 16:44	02/17/24 08:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:10*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/17/24 08:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/18/24 12:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/09/24 10:27	02/18/24 12:04	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/09/24 10:27	02/18/24 12:04	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/09/24 10:27	02/18/24 12:04	1

Eurofins Carlsbad

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F8 FS

Lab Sample ID: 890-6117-4
Matrix: Solid
Date Collected: 02/06/24 09:02
Date Received: 02/06/24 15:55
Sample Depth: 6'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg		02/09/24 10:27	02/18/24 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/09/24 10:27*	*02/18/24 12:04*	*1*
o-Terphenyl	*78*		*70 - 130*	*02/09/24 10:27*	*02/18/24 12:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**112**		4.98		mg/Kg			02/09/24 21:55	1

Client Sample ID: G7 FS

Lab Sample ID: 890-6117-5
Matrix: Solid
Date Collected: 02/06/24 09:04
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 08:31	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 08:31	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 08:31	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/14/24 16:44	02/17/24 08:31	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/14/24 16:44	02/17/24 08:31	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:31*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/17/24 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/15/24 16:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/09/24 10:47	02/15/24 16:36	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 10:47	02/15/24 16:36	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 10:47	02/15/24 16:36	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/24 10:47	02/15/24 16:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/09/24 10:47*	*02/15/24 16:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/09/24 10:47*	*02/15/24 16:36*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: G7 FS

Lab Sample ID: 890-6117-5
Matrix: Solid
Date Collected: 02/06/24 09:04
Date Received: 02/06/24 15:55
Sample Depth: 6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	100		5.01		mg/Kg			02/09/24 22:01	1

Client Sample ID: G8 FS

Lab Sample ID: 890-6117-6
Matrix: Solid
Date Collected: 02/06/24 09:06
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 08:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 08:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 08:52	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/14/24 16:44	02/17/24 08:52	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/14/24 16:44	02/17/24 08:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 08:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:52*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/14/24 16:44*	*02/17/24 08:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/17/24 08:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/24 15:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 15:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 15:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 15:13	1
Total TPH	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 15:13*	*1*
o-Terphenyl	*121*		*70 - 130*	*02/08/24 15:14*	*02/09/24 15:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	71.4		5.02		mg/Kg			02/09/24 22:22	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: G10 FS

Lab Sample ID: 890-6117-7
Matrix: Solid
Date Collected: 02/06/24 09:08
Date Received: 02/06/24 15:55
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 09:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 09:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 09:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/14/24 16:44	02/17/24 09:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/14/24 16:44	02/17/24 09:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 09:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/14/24 16:44*	*02/17/24 09:12*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/14/24 16:44*	*02/17/24 09:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/17/24 09:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/09/24 15:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:35	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:35	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:35	1
Total TPH	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 15:35*	*1*
o-Terphenyl	*127*		*70 - 130*	*02/08/24 15:14*	*02/09/24 15:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**264**		25.0		mg/Kg			02/09/24 22:28	5

Client Sample ID: E3 W-SW

Lab Sample ID: 890-6117-8
Matrix: Solid
Date Collected: 02/06/24 12:58
Date Received: 02/06/24 15:55
Sample Depth: 0-5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 09:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 09:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 09:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 09:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 09:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 09:33	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E3 W-SW

Lab Sample ID: 890-6117-8
Matrix: Solid
Date Collected: 02/06/24 12:58
Date Received: 02/06/24 15:55
Sample Depth: 0-5.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130	02/14/24 16:44	02/17/24 09:33	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/14/24 16:44	02/17/24 09:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/24 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/09/24 15:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:57	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:57	1
Total TPH	<49.7	U	49.7		mg/Kg		02/08/24 15:14	02/09/24 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	145	S1+	70 - 130	02/08/24 15:14	02/09/24 15:57	1
o-Terphenyl	125		70 - 130	02/08/24 15:14	02/09/24 15:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	294		5.00		mg/Kg			02/09/24 22:35	1

Client Sample ID: E4 N-SW

Lab Sample ID: 890-6117-9
Matrix: Solid
Date Collected: 02/06/24 12:56
Date Received: 02/06/24 15:55
Sample Depth: 0-5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 09:54	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 09:54	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 09:54	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/14/24 16:44	02/17/24 09:54	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/14/24 16:44	02/17/24 09:54	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/14/24 16:44	02/17/24 09:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		70 - 130	02/14/24 16:44	02/17/24 09:54	1
1,4-Difluorobenzene (Surr)	94		70 - 130	02/14/24 16:44	02/17/24 09:54	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/17/24 09:54	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E4 N-SW

Lab Sample ID: 890-6117-9
Matrix: Solid
Date Collected: 02/06/24 12:56
Date Received: 02/06/24 15:55
Sample Depth: 0-5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/09/24 16:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 16:19	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 16:19	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 16:19	1
Total TPH	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 16:19*	*1*
o-Terphenyl	*123*		*70 - 130*	*02/08/24 15:14*	*02/09/24 16:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		5.04		mg/Kg			02/09/24 22:42	1

Client Sample ID: E6 N-SW

Lab Sample ID: 890-6117-10
Matrix: Solid
Date Collected: 02/06/24 12:59
Date Received: 02/06/24 15:55
Sample Depth: 0-6

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 10:14	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 10:14	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 10:14	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/14/24 16:44	02/17/24 10:14	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/14/24 16:44	02/17/24 10:14	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/14/24 16:44	02/17/24 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*	*02/14/24 16:44*	*02/17/24 10:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/14/24 16:44*	*02/17/24 10:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/17/24 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/09/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 16:42	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 16:42	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 16:42	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E6 N-SW

Lab Sample ID: 890-6117-10
Matrix: Solid
Date Collected: 02/06/24 12:59
Date Received: 02/06/24 15:55
Sample Depth: 0-6

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 16:42*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/08/24 15:14*	*02/09/24 16:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**63.7**		5.03		mg/Kg			02/09/24 22:49	1

Client Sample ID: E8 N-SW

Lab Sample ID: 890-6117-11
Matrix: Solid
Date Collected: 02/06/24 01:02
Date Received: 02/06/24 15:55
Sample Depth: 0-0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 11:37	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 11:37	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 11:37	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/14/24 16:44	02/17/24 11:37	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/14/24 16:44	02/17/24 11:37	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/14/24 16:44*	*02/17/24 11:37*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/14/24 16:44*	*02/17/24 11:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/17/24 11:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/09/24 17:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 17:04	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 17:04	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 17:04	1
Total TPH	<50.3	U	50.3		mg/Kg		02/08/24 15:14	02/09/24 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*164*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 17:04*	*1*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 17:04*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E8 N-SW

Lab Sample ID: 890-6117-11
Matrix: Solid
Date Collected: 02/06/24 01:02
Date Received: 02/06/24 15:55
Sample Depth: 0-0.5

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	768	F1	25.0		mg/Kg			02/09/24 16:46	5

Client Sample ID: E10 N-SW

Lab Sample ID: 890-6117-12
Matrix: Solid
Date Collected: 02/06/24 01:06
Date Received: 02/06/24 15:55
Sample Depth: 0-0.5

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 11:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 11:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 11:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 11:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 11:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 11:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/14/24 16:44*	*02/17/24 11:58*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/14/24 16:44*	*02/17/24 11:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/24 11:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/09/24 17:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/08/24 15:14	02/09/24 17:26	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/08/24 15:14	02/09/24 17:26	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/08/24 15:14	02/09/24 17:26	1
Total TPH	<50.5	U	50.5		mg/Kg		02/08/24 15:14	02/09/24 17:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*02/08/24 15:14*	*02/09/24 17:26*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/08/24 15:14*	*02/09/24 17:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	73.5		4.99		mg/Kg			02/12/24 07:53	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E 11 E-SW

Lab Sample ID: 890-6117-13
Matrix: Solid
Date Collected: 02/06/24 01:11
Date Received: 02/06/24 15:55
Sample Depth: 0-7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 12:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 12:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 12:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 12:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/14/24 16:44	02/17/24 12:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/14/24 16:44	02/17/24 12:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*	*02/14/24 16:44*	*02/17/24 12:19*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/14/24 16:44*	*02/17/24 12:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/17/24 12:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/09/24 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 17:49	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 17:49	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 17:49	1
Total TPH	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*127*		*70 - 130*	*02/08/24 15:14*	*02/09/24 17:49*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/08/24 15:14*	*02/09/24 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**52.4**		4.96		mg/Kg			02/09/24 17:12	1

Client Sample ID: F11 FS

Lab Sample ID: 890-6117-14
Matrix: Solid
Date Collected: 02/06/24 12:20
Date Received: 02/06/24 15:55
Sample Depth: 7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 12:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 12:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 12:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 12:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 12:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 12:39	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F11 FS

Lab Sample ID: 890-6117-14
Matrix: Solid
Date Collected: 02/06/24 12:20
Date Received: 02/06/24 15:55
Sample Depth: 7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/14/24 16:44	02/17/24 12:39	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/14/24 16:44	02/17/24 12:39	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/17/24 12:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/09/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 18:11	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 18:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 18:11	1
Total TPH	<49.9	U	49.9		mg/Kg		02/08/24 15:14	02/09/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	138	S1+	70 - 130	02/08/24 15:14	02/09/24 18:11	1
o-Terphenyl	127		70 - 130	02/08/24 15:14	02/09/24 18:11	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	151		4.98		mg/Kg			02/09/24 17:18	1

Client Sample ID: F11 S-SW

Lab Sample ID: 890-6117-15
Matrix: Solid
Date Collected: 02/06/24 12:24
Date Received: 02/06/24 15:55
Sample Depth: 0-7

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 13:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 13:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 13:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 13:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 13:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 13:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130	02/14/24 16:44	02/17/24 13:00	1
1,4-Difluorobenzene (Surr)	105		70 - 130	02/14/24 16:44	02/17/24 13:00	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/17/24 13:00	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F11 S-SW

Date Collected: 02/06/24 12:24
Date Received: 02/06/24 15:55
Sample Depth: 0-7

Lab Sample ID: 890-6117-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/09/24 18:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/08/24 15:14	02/09/24 18:33	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/08/24 15:14	02/09/24 18:33	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/08/24 15:14	02/09/24 18:33	1
Total TPH	<49.6	U	49.6		mg/Kg		02/08/24 15:14	02/09/24 18:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 18:33*	*1*
o-Terphenyl	*115*		*70 - 130*	*02/08/24 15:14*	*02/09/24 18:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		25.1		mg/Kg			02/12/24 08:00	5

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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)										
890-6117-1	E7 FS	98	109										
890-6117-1 MS	E7 FS	100	103										
890-6117-1 MSD	E7 FS	101	103										
890-6117-2	E9 FS	103	111										
890-6117-3	F7 FS	107	108										
890-6117-4	F8 FS	105	102										
890-6117-5	G7 FS	104	102										
890-6117-6	G8 FS	110	105										
890-6117-7	G10 FS	99	103										
890-6117-8	E3 W-SW	103	105										
890-6117-9	E4 N-SW	93	94										
890-6117-10	E6 N-SW	102	105										
890-6117-11	E8 N-SW	99	107										
890-6117-12	E10 N-SW	103	111										
890-6117-13	E 11 E-SW	98	103										
890-6117-14	F11 FS	101	100										
890-6117-15	F11 S-SW	100	105										
LCS 880-73190/1-A	Lab Control Sample	106	101										
LCSD 880-73190/2-A	Lab Control Sample Dup	116	99										
MB 880-73188/5-A	Method Blank	75	98										
MB 880-73190/5-A	Method Blank	76	101										

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
880-39032-A-41-E MS	Matrix Spike	126	87										
880-39032-A-41-F MSD	Matrix Spike Duplicate	120	85										
880-39111-A-1-H MS	Matrix Spike	121	95										
880-39111-A-1-I MSD	Matrix Spike Duplicate	132 S1+	100										
890-6117-1	E7 FS	93	74										
890-6117-1 MS	E7 FS	100	73										
890-6117-1 MSD	E7 FS	126	93										
890-6117-2	E9 FS	93	76										
890-6117-3	F7 FS	101	81										
890-6117-4	F8 FS	100	78										
890-6117-5	G7 FS	117	100										
890-6117-6	G8 FS	133 S1+	121										
890-6117-7	G10 FS	141 S1+	127										
890-6117-8	E3 W-SW	145 S1+	125										
890-6117-9	E4 N-SW	140 S1+	123										
890-6117-10	E6 N-SW	141 S1+	125										
890-6117-11	E8 N-SW	164 S1+	143 S1+										
890-6117-12	E10 N-SW	129	116										

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)								
890-6117-13	E 11 E-SW	127	115								
890-6117-14	F11 FS	138 S1+	127								
890-6117-15	F11 S-SW	132 S1+	115								
LCS 880-72671/2-A	Lab Control Sample	98	98								
LCS 880-72722/2-A	Lab Control Sample	113	120								
LCS 880-73298/2-A	Lab Control Sample	94	97								
LCSD 880-72671/3-A	Lab Control Sample Dup	95	95								
LCSD 880-72722/3-A	Lab Control Sample Dup	110	111								
LCSD 880-73298/3-A	Lab Control Sample Dup	97	96								
MB 880-72671/1-A	Method Blank	173 S1+	160 S1+								
MB 880-72722/1-A	Method Blank	249 S1+	223 S1+								
MB 880-73298/1-A	Method Blank	207 S1+	179 S1+								

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73188/5-A
Matrix: Solid
Analysis Batch: 73398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73188

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:39	02/16/24 20:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:39	02/16/24 20:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:39	02/16/24 20:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 16:39	02/16/24 20:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 16:39	02/16/24 20:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:39	02/16/24 20:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/14/24 16:39*	*02/16/24 20:08*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/14/24 16:39*	*02/16/24 20:08*	*1*

Lab Sample ID: MB 880-73190/5-A
Matrix: Solid
Analysis Batch: 73398

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73190

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 06:47	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 06:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 06:47	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 06:47	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/14/24 16:44	02/17/24 06:47	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 16:44	02/17/24 06:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/14/24 16:44*	*02/17/24 06:47*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/14/24 16:44*	*02/17/24 06:47*	*1*

Lab Sample ID: LCS 880-73190/1-A
Matrix: Solid
Analysis Batch: 73398

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73190

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1127		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.09180		mg/Kg		92	70 - 130
Toluene	0.100	0.09114		mg/Kg		91	70 - 130
m-Xylene & p-Xylene	0.200	0.1875		mg/Kg		94	70 - 130
o-Xylene	0.100	0.09675		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*

Lab Sample ID: LCSD 880-73190/2-A
Matrix: Solid
Analysis Batch: 73398

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73190

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1031		mg/Kg		103	70 - 130	9	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73190/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73398 — **Prep Batch: 73190**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.09963		mg/Kg		100	70 - 130	8	35
Toluene			0.100	0.09251		mg/Kg		93	70 - 130	1	35
m-Xylene & p-Xylene			0.200	0.2102		mg/Kg		105	70 - 130	11	35
o-Xylene			0.100	0.1085		mg/Kg		109	70 - 130	11	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-6117-1 MS — **Client Sample ID: E7 FS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73398 — **Prep Batch: 73190**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.08816		mg/Kg		88	70 - 130
Ethylbenzene	<0.00199	U F1	0.100	0.06588	F1	mg/Kg		66	70 - 130
Toluene	<0.00199	U F1	0.100	0.06795	F1	mg/Kg		67	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1288	F1	mg/Kg		64	70 - 130
o-Xylene	<0.00199	U F1	0.100	0.06497	F1	mg/Kg		64	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: 890-6117-1 MSD — **Client Sample ID: E7 FS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73398 — **Prep Batch: 73190**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.08911		mg/Kg		89	70 - 130	1	35
Ethylbenzene	<0.00199	U F1	0.101	0.06779	F1	mg/Kg		67	70 - 130	3	35
Toluene	<0.00199	U F1	0.101	0.07001	F1	mg/Kg		69	70 - 130	3	35
m-Xylene & p-Xylene	<0.00398	U F1	0.201	0.1334	F1	mg/Kg		66	70 - 130	3	35
o-Xylene	<0.00199	U F1	0.101	0.06752	F1	mg/Kg		67	70 - 130	4	35

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

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

Lab Sample ID: MB 880-72671/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72692 — **Prep Batch: 72671**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 07:32	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: MB 880-72671/1-A
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 07:32	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 07:32	1
Total TPH	<50.0	U	50.0		mg/Kg		02/08/24 15:14	02/09/24 07:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*173*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 07:32*	*1*
o-Terphenyl	*160*	*S1+*	*70 - 130*	*02/08/24 15:14*	*02/09/24 07:32*	*1*

Lab Sample ID: LCS 880-72671/2-A
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72671

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1027		mg/Kg		103	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	922.3		mg/Kg		92	70 - 130		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane			*98*		*70 - 130*
o-Terphenyl			*98*		*70 - 130*

Lab Sample ID: LCSD 880-72671/3-A
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1048		mg/Kg		105	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	905.8		mg/Kg		91	70 - 130	2	20

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane			*95*		*70 - 130*
o-Terphenyl			*95*		*70 - 130*

Lab Sample ID: 880-39111-A-1-H MS
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1010	874.3		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	1081		mg/Kg		108	70 - 130		

Surrogate			*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane			*121*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: 880-39111-A-1-H MS
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72671

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	95		70 - 130

Lab Sample ID: 880-39111-A-1-I MSD
Matrix: Solid
Analysis Batch: 72692

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72671

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	<50.0	U	1010	926.8		mg/Kg		90	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<50.0	U	1010	1176		mg/Kg		117	70 - 130	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	132	S1+	70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: MB 880-72722/1-A
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72722

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/09/24 10:46	02/15/24 07:31	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/09/24 10:46	02/15/24 07:31	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/09/24 10:46	02/15/24 07:31	1
Total TPH	<50.0	U	50.0		mg/Kg		02/09/24 10:46	02/15/24 07:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	249	S1+	70 - 130	02/09/24 10:46	02/15/24 07:31	1
o-Terphenyl	223	S1+	70 - 130	02/09/24 10:46	02/15/24 07:31	1

Lab Sample ID: LCS 880-72722/2-A
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72722

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	941.1		mg/Kg		94	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	966.1		mg/Kg		97	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	113		70 - 130
o-Terphenyl	120		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-72722/3-A
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72722

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	924.3		mg/Kg		92	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	989.1		mg/Kg		99	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*111*		*70 - 130*

Lab Sample ID: 880-39032-A-41-E MS
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72722

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1141		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1437	F1	mg/Kg		140	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*87*		*70 - 130*

Lab Sample ID: 880-39032-A-41-F MSD
Matrix: Solid
Analysis Batch: 73204

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72722

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	<49.6	U	1010	1070		mg/Kg		102	70 - 130	6	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1	1010	1391	F1	mg/Kg		136	70 - 130	3	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*120*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: MB 880-73298/1-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73298

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/15/24 17:16	02/18/24 07:38	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/15/24 17:16	02/18/24 07:38	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/15/24 17:16	02/18/24 07:38	1
Total TPH	<50.0	U	50.0		mg/Kg		02/15/24 17:16	02/18/24 07:38	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: MB 880-73298/1-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73298

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	207	S1+	70 - 130	02/15/24 17:16	02/18/24 07:38	1
o-Terphenyl	179	S1+	70 - 130	02/15/24 17:16	02/18/24 07:38	1

Lab Sample ID: LCS 880-73298/2-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73298

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	842.3		mg/Kg		84	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	870.2		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	94		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-73298/3-A
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73298

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	873.1		mg/Kg		87	70 - 130	4	20
Diesel Range Organics (Over C10-C28)			1000	828.5		mg/Kg		83	70 - 130	5	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	96		70 - 130

Lab Sample ID: 890-6117-1 MS
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: E7 FS
Prep Type: Total/NA
Prep Batch: 73298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	994	1185		mg/Kg		116	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.8	U F2	994	895.0		mg/Kg		88	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	100		70 - 130
o-Terphenyl	73		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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

Lab Sample ID: 890-6117-1 MSD
Matrix: Solid
Analysis Batch: 73414

Client Sample ID: E7 FS
Prep Type: Total/NA
Prep Batch: 73298

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	<49.8	U	994	1136		mg/Kg		111	70 - 130	4	20
Diesel Range Organics (Over C10-C28)	<49.8	U F2	994	1160	F2	mg/Kg		114	70 - 130	26	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*126*		*70 - 130*
o-Terphenyl	*93*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72650/1-A
Matrix: Solid
Analysis Batch: 72725

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/09/24 16:28	1

Lab Sample ID: LCS 880-72650/2-A
Matrix: Solid
Analysis Batch: 72725

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	254.4		mg/Kg		102	90 - 110

Lab Sample ID: LCSD 880-72650/3-A
Matrix: Solid
Analysis Batch: 72725

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	264.2		mg/Kg		106	90 - 110	4	20

Lab Sample ID: 890-6117-11 MS
Matrix: Solid
Analysis Batch: 72725

Client Sample ID: E8 N-SW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	768	F1	1250	2129		mg/Kg		109	90 - 110

Lab Sample ID: 890-6117-11 MSD
Matrix: Solid
Analysis Batch: 72725

Client Sample ID: E8 N-SW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	768	F1	1250	2186	F1	mg/Kg		113	90 - 110	3	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 880-72648/1-A
Matrix: Solid
Analysis Batch: 72790

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/09/24 21:00	1

Lab Sample ID: LCS 880-72648/2-A
Matrix: Solid
Analysis Batch: 72790

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	261.4		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-72648/3-A
Matrix: Solid
Analysis Batch: 72790

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	257.8		mg/Kg		103	90 - 110	1	20

Lab Sample ID: 890-6117-1 MS
Matrix: Solid
Analysis Batch: 72790

Client Sample ID: E7 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	611		1260	1768		mg/Kg		92	90 - 110		

Lab Sample ID: 890-6117-1 MSD
Matrix: Solid
Analysis Batch: 72790

Client Sample ID: E7 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	611		1260	1770		mg/Kg		92	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

GC VOA

Prep Batch: 73188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73188/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 73190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	5035	
890-6117-2	E9 FS	Total/NA	Solid	5035	
890-6117-3	F7 FS	Total/NA	Solid	5035	
890-6117-4	F8 FS	Total/NA	Solid	5035	
890-6117-5	G7 FS	Total/NA	Solid	5035	
890-6117-6	G8 FS	Total/NA	Solid	5035	
890-6117-7	G10 FS	Total/NA	Solid	5035	
890-6117-8	E3 W-SW	Total/NA	Solid	5035	
890-6117-9	E4 N-SW	Total/NA	Solid	5035	
890-6117-10	E6 N-SW	Total/NA	Solid	5035	
890-6117-11	E8 N-SW	Total/NA	Solid	5035	
890-6117-12	E10 N-SW	Total/NA	Solid	5035	
890-6117-13	E 11 E-SW	Total/NA	Solid	5035	
890-6117-14	F11 FS	Total/NA	Solid	5035	
890-6117-15	F11 S-SW	Total/NA	Solid	5035	
MB 880-73190/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73190/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73190/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6117-1 MS	E7 FS	Total/NA	Solid	5035	
890-6117-1 MSD	E7 FS	Total/NA	Solid	5035	

Analysis Batch: 73398

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	8021B	73190
890-6117-2	E9 FS	Total/NA	Solid	8021B	73190
890-6117-3	F7 FS	Total/NA	Solid	8021B	73190
890-6117-4	F8 FS	Total/NA	Solid	8021B	73190
890-6117-5	G7 FS	Total/NA	Solid	8021B	73190
890-6117-6	G8 FS	Total/NA	Solid	8021B	73190
890-6117-7	G10 FS	Total/NA	Solid	8021B	73190
890-6117-8	E3 W-SW	Total/NA	Solid	8021B	73190
890-6117-9	E4 N-SW	Total/NA	Solid	8021B	73190
890-6117-10	E6 N-SW	Total/NA	Solid	8021B	73190
890-6117-11	E8 N-SW	Total/NA	Solid	8021B	73190
890-6117-12	E10 N-SW	Total/NA	Solid	8021B	73190
890-6117-13	E 11 E-SW	Total/NA	Solid	8021B	73190
890-6117-14	F11 FS	Total/NA	Solid	8021B	73190
890-6117-15	F11 S-SW	Total/NA	Solid	8021B	73190
MB 880-73188/5-A	Method Blank	Total/NA	Solid	8021B	73188
MB 880-73190/5-A	Method Blank	Total/NA	Solid	8021B	73190
LCS 880-73190/1-A	Lab Control Sample	Total/NA	Solid	8021B	73190
LCSD 880-73190/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73190
890-6117-1 MS	E7 FS	Total/NA	Solid	8021B	73190
890-6117-1 MSD	E7 FS	Total/NA	Solid	8021B	73190

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

GC VOA

Analysis Batch: 73575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	Total BTEX	
890-6117-2	E9 FS	Total/NA	Solid	Total BTEX	
890-6117-3	F7 FS	Total/NA	Solid	Total BTEX	
890-6117-4	F8 FS	Total/NA	Solid	Total BTEX	
890-6117-5	G7 FS	Total/NA	Solid	Total BTEX	
890-6117-6	G8 FS	Total/NA	Solid	Total BTEX	
890-6117-7	G10 FS	Total/NA	Solid	Total BTEX	
890-6117-8	E3 W-SW	Total/NA	Solid	Total BTEX	
890-6117-9	E4 N-SW	Total/NA	Solid	Total BTEX	
890-6117-10	E6 N-SW	Total/NA	Solid	Total BTEX	
890-6117-11	E8 N-SW	Total/NA	Solid	Total BTEX	
890-6117-12	E10 N-SW	Total/NA	Solid	Total BTEX	
890-6117-13	E 11 E-SW	Total/NA	Solid	Total BTEX	
890-6117-14	F11 FS	Total/NA	Solid	Total BTEX	
890-6117-15	F11 S-SW	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-6	G8 FS	Total/NA	Solid	8015NM Prep	
890-6117-7	G10 FS	Total/NA	Solid	8015NM Prep	
890-6117-8	E3 W-SW	Total/NA	Solid	8015NM Prep	
890-6117-9	E4 N-SW	Total/NA	Solid	8015NM Prep	
890-6117-10	E6 N-SW	Total/NA	Solid	8015NM Prep	
890-6117-11	E8 N-SW	Total/NA	Solid	8015NM Prep	
890-6117-12	E10 N-SW	Total/NA	Solid	8015NM Prep	
890-6117-13	E 11 E-SW	Total/NA	Solid	8015NM Prep	
890-6117-14	F11 FS	Total/NA	Solid	8015NM Prep	
890-6117-15	F11 S-SW	Total/NA	Solid	8015NM Prep	
MB 880-72671/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72671/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72671/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39111-A-1-H MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39111-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72692

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-6	G8 FS	Total/NA	Solid	8015B NM	72671
890-6117-7	G10 FS	Total/NA	Solid	8015B NM	72671
890-6117-8	E3 W-SW	Total/NA	Solid	8015B NM	72671
890-6117-9	E4 N-SW	Total/NA	Solid	8015B NM	72671
890-6117-10	E6 N-SW	Total/NA	Solid	8015B NM	72671
890-6117-11	E8 N-SW	Total/NA	Solid	8015B NM	72671
890-6117-12	E10 N-SW	Total/NA	Solid	8015B NM	72671
890-6117-13	E 11 E-SW	Total/NA	Solid	8015B NM	72671
890-6117-14	F11 FS	Total/NA	Solid	8015B NM	72671
890-6117-15	F11 S-SW	Total/NA	Solid	8015B NM	72671
MB 880-72671/1-A	Method Blank	Total/NA	Solid	8015B NM	72671
LCS 880-72671/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72671
LCSD 880-72671/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72671

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 72692 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39111-A-1-H MS	Matrix Spike	Total/NA	Solid	8015B NM	72671
880-39111-A-1-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72671

Prep Batch: 72722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-5	G7 FS	Total/NA	Solid	8015NM Prep	
MB 880-72722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39032-A-41-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39032-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	8015 NM	
890-6117-2	E9 FS	Total/NA	Solid	8015 NM	
890-6117-3	F7 FS	Total/NA	Solid	8015 NM	
890-6117-4	F8 FS	Total/NA	Solid	8015 NM	
890-6117-5	G7 FS	Total/NA	Solid	8015 NM	
890-6117-6	G8 FS	Total/NA	Solid	8015 NM	
890-6117-7	G10 FS	Total/NA	Solid	8015 NM	
890-6117-8	E3 W-SW	Total/NA	Solid	8015 NM	
890-6117-9	E4 N-SW	Total/NA	Solid	8015 NM	
890-6117-10	E6 N-SW	Total/NA	Solid	8015 NM	
890-6117-11	E8 N-SW	Total/NA	Solid	8015 NM	
890-6117-12	E10 N-SW	Total/NA	Solid	8015 NM	
890-6117-13	E 11 E-SW	Total/NA	Solid	8015 NM	
890-6117-14	F11 FS	Total/NA	Solid	8015 NM	
890-6117-15	F11 S-SW	Total/NA	Solid	8015 NM	

Analysis Batch: 73204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-5	G7 FS	Total/NA	Solid	8015B NM	72722
MB 880-72722/1-A	Method Blank	Total/NA	Solid	8015B NM	72722
LCS 880-72722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72722
LCSD 880-72722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72722
880-39032-A-41-E MS	Matrix Spike	Total/NA	Solid	8015B NM	72722
880-39032-A-41-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72722

Prep Batch: 73298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	8015NM Prep	
890-6117-2	E9 FS	Total/NA	Solid	8015NM Prep	
890-6117-3	F7 FS	Total/NA	Solid	8015NM Prep	
890-6117-4	F8 FS	Total/NA	Solid	8015NM Prep	
MB 880-73298/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73298/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6117-1 MS	E7 FS	Total/NA	Solid	8015NM Prep	
890-6117-1 MSD	E7 FS	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

GC Semi VOA

Analysis Batch: 73414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Total/NA	Solid	8015B NM	73298
890-6117-2	E9 FS	Total/NA	Solid	8015B NM	73298
890-6117-3	F7 FS	Total/NA	Solid	8015B NM	73298
890-6117-4	F8 FS	Total/NA	Solid	8015B NM	73298
MB 880-73298/1-A	Method Blank	Total/NA	Solid	8015B NM	73298
LCS 880-73298/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73298
LCSD 880-73298/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73298
890-6117-1 MS	E7 FS	Total/NA	Solid	8015B NM	73298
890-6117-1 MSD	E7 FS	Total/NA	Solid	8015B NM	73298

HPLC/IC

Leach Batch: 72648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Soluble	Solid	DI Leach	
890-6117-2	E9 FS	Soluble	Solid	DI Leach	
890-6117-3	F7 FS	Soluble	Solid	DI Leach	
890-6117-4	F8 FS	Soluble	Solid	DI Leach	
890-6117-5	G7 FS	Soluble	Solid	DI Leach	
890-6117-6	G8 FS	Soluble	Solid	DI Leach	
890-6117-7	G10 FS	Soluble	Solid	DI Leach	
890-6117-8	E3 W-SW	Soluble	Solid	DI Leach	
890-6117-9	E4 N-SW	Soluble	Solid	DI Leach	
890-6117-10	E6 N-SW	Soluble	Solid	DI Leach	
MB 880-72648/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72648/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72648/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6117-1 MS	E7 FS	Soluble	Solid	DI Leach	
890-6117-1 MSD	E7 FS	Soluble	Solid	DI Leach	

Leach Batch: 72650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-11	E8 N-SW	Soluble	Solid	DI Leach	
890-6117-12	E10 N-SW	Soluble	Solid	DI Leach	
890-6117-13	E 11 E-SW	Soluble	Solid	DI Leach	
890-6117-14	F11 FS	Soluble	Solid	DI Leach	
890-6117-15	F11 S-SW	Soluble	Solid	DI Leach	
MB 880-72650/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72650/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72650/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6117-11 MS	E8 N-SW	Soluble	Solid	DI Leach	
890-6117-11 MSD	E8 N-SW	Soluble	Solid	DI Leach	

Analysis Batch: 72725

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-11	E8 N-SW	Soluble	Solid	300.0	72650
890-6117-12	E10 N-SW	Soluble	Solid	300.0	72650
890-6117-13	E 11 E-SW	Soluble	Solid	300.0	72650
890-6117-14	F11 FS	Soluble	Solid	300.0	72650
890-6117-15	F11 S-SW	Soluble	Solid	300.0	72650
MB 880-72650/1-A	Method Blank	Soluble	Solid	300.0	72650

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 72725 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-72650/2-A	Lab Control Sample	Soluble	Solid	300.0	72650
LCSD 880-72650/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72650
890-6117-11 MS	E8 N-SW	Soluble	Solid	300.0	72650
890-6117-11 MSD	E8 N-SW	Soluble	Solid	300.0	72650

Analysis Batch: 72790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6117-1	E7 FS	Soluble	Solid	300.0	72648
890-6117-2	E9 FS	Soluble	Solid	300.0	72648
890-6117-3	F7 FS	Soluble	Solid	300.0	72648
890-6117-4	F8 FS	Soluble	Solid	300.0	72648
890-6117-5	G7 FS	Soluble	Solid	300.0	72648
890-6117-6	G8 FS	Soluble	Solid	300.0	72648
890-6117-7	G10 FS	Soluble	Solid	300.0	72648
890-6117-8	E3 W-SW	Soluble	Solid	300.0	72648
890-6117-9	E4 N-SW	Soluble	Solid	300.0	72648
890-6117-10	E6 N-SW	Soluble	Solid	300.0	72648
MB 880-72648/1-A	Method Blank	Soluble	Solid	300.0	72648
LCS 880-72648/2-A	Lab Control Sample	Soluble	Solid	300.0	72648
LCSD 880-72648/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72648
890-6117-1 MS	E7 FS	Soluble	Solid	300.0	72648
890-6117-1 MSD	E7 FS	Soluble	Solid	300.0	72648

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E7 FS
Date Collected: 02/06/24 08:56
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 07:08	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 07:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/18/24 10:12	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	73298	02/09/24 10:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 10:12	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		5			72790	02/09/24 21:21	CH	EET MID

Client Sample ID: E9 FS
Date Collected: 02/06/24 08:58
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 07:29	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 07:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/18/24 11:19	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73298	02/09/24 10:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 11:19	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 21:41	CH	EET MID

Client Sample ID: F7 FS
Date Collected: 02/06/24 09:00
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-3
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			4.95 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 07:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 07:50	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/18/24 11:41	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73298	02/09/24 10:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 11:41	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 21:48	CH	EET MID

Client Sample ID: F8 FS
Date Collected: 02/06/24 09:02
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-4
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			4.97 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 08:10	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 08:10	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F8 FS
Lab Sample ID: 890-6117-4
Date Collected: 02/06/24 09:02
Matrix: Solid
Date Received: 02/06/24 15:55

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			72947	02/18/24 12:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73298	02/09/24 10:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73414	02/18/24 12:04	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 21:55	CH	EET MID

Client Sample ID: G7 FS
Lab Sample ID: 890-6117-5
Date Collected: 02/06/24 09:04
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 08:31	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 08:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/15/24 16:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72722	02/09/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73204	02/15/24 16:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 22:01	CH	EET MID

Client Sample ID: G8 FS
Lab Sample ID: 890-6117-6
Date Collected: 02/06/24 09:06
Matrix: Solid
Date Received: 02/06/24 15:55

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 08:52	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 08:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 15:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 15:13	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 22:22	CH	EET MID

Client Sample ID: G10 FS
Lab Sample ID: 890-6117-7
Date Collected: 02/06/24 09:08
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 09:12	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 09:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 15:35	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 15:35	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: G10 FS
Date Collected: 02/06/24 09:08
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-7
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			5.01 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		5			72790	02/09/24 22:28	CH	EET MID

Client Sample ID: E3 W-SW
Date Collected: 02/06/24 12:58
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-8
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			5.02 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 09:33	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 09:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 15:57	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 15:57	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 22:35	CH	EET MID

Client Sample ID: E4 N-SW
Date Collected: 02/06/24 12:56
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-9
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			5.05 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 09:54	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 09:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 16:19	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 16:19	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 22:42	CH	EET MID

Client Sample ID: E6 N-SW
Date Collected: 02/06/24 12:59
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 10:14	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 10:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 16:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72648	02/08/24 11:56	SA	EET MID
Soluble	Analysis	300.0		1			72790	02/09/24 22:49	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: E8 N-SW
Lab Sample ID: 890-6117-11

Date Collected: 02/06/24 01:02
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 11:37	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 11:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 17:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 17:04	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72650	02/08/24 11:58	SA	EET MID
Soluble	Analysis	300.0		5			72725	02/09/24 16:46	CH	EET MID

Client Sample ID: E10 N-SW
Lab Sample ID: 890-6117-12

Date Collected: 02/06/24 01:06
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 11:58	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 11:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 17:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 17:26	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72650	02/08/24 11:58	SA	EET MID
Soluble	Analysis	300.0		1			72725	02/12/24 07:53	CH	EET MID

Client Sample ID: E 11 E-SW
Lab Sample ID: 890-6117-13

Date Collected: 02/06/24 01:11
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 12:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 12:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 17:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72650	02/08/24 11:58	SA	EET MID
Soluble	Analysis	300.0		1			72725	02/09/24 17:12	CH	EET MID

Client Sample ID: F11 FS
Lab Sample ID: 890-6117-14

Date Collected: 02/06/24 12:20
Matrix: Solid
Date Received: 02/06/24 15:55

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	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 12:39	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 12:39	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Client Sample ID: F11 FS

Date Collected: 02/06/24 12:20
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-14

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			72947	02/09/24 18:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 18:11	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72650	02/08/24 11:58	SA	EET MID
Soluble	Analysis	300.0		1			72725	02/09/24 17:18	CH	EET MID

Client Sample ID: F11 S-SW

Date Collected: 02/06/24 12:24
Date Received: 02/06/24 15:55

Lab Sample ID: 890-6117-15

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			5.00 g	5 mL	73190	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73398	02/17/24 13:00	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73575	02/17/24 13:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			72947	02/09/24 18:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72671	02/08/24 15:14	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72692	02/09/24 18:33	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72650	02/08/24 11:58	SA	EET MID
Soluble	Analysis	300.0		5			72725	02/12/24 08:00	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6117-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6117-1	E7 FS	Solid	02/06/24 08:56	02/06/24 15:55	5.5'
890-6117-2	E9 FS	Solid	02/06/24 08:58	02/06/24 15:55	5.5'
890-6117-3	F7 FS	Solid	02/06/24 09:00	02/06/24 15:55	6'
890-6117-4	F8 FS	Solid	02/06/24 09:02	02/06/24 15:55	6'
890-6117-5	G7 FS	Solid	02/06/24 09:04	02/06/24 15:55	6'
890-6117-6	G8 FS	Solid	02/06/24 09:06	02/06/24 15:55	6'
890-6117-7	G10 FS	Solid	02/06/24 09:08	02/06/24 15:55	6'
890-6117-8	E3 W-SW	Solid	02/06/24 12:58	02/06/24 15:55	0-5.5'
890-6117-9	E4 N-SW	Solid	02/06/24 12:56	02/06/24 15:55	0-5.5'
890-6117-10	E6 N-SW	Solid	02/06/24 12:59	02/06/24 15:55	0-6
890-6117-11	E8 N-SW	Solid	02/06/24 01:02	02/06/24 15:55	0-0.5
890-6117-12	E10 N-SW	Solid	02/06/24 01:06	02/06/24 15:55	0-0.5
890-6117-13	E 11 E-SW	Solid	02/06/24 01:11	02/06/24 15:55	0-7
890-6117-14	F11 FS	Solid	02/06/24 12:20	02/06/24 15:55	7
890-6117-15	F11 S-SW	Solid	02/06/24 12:24	02/06/24 15:55	0-7

Released to Imaging: 8/15/2024 3:54:37 PM
Received by OCD: 8/8/2024 8:33:35 AM

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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
Little Rock, AR (501) 224-5060

Work Order No: 6117

Project Manager:	Ben Guerrero	Bill to: (if different)	Rob Kirk
Company Name:	Tetra Tech	Company Name:	Solaris
Address:	4518 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Mobley to Prove	Turn Around	
Project Number:	KH24700 7	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Bucky Miller	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:	TWN007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8	
Total Containers:		Corrected Temperature:	4.6	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX (8021B)	TPH (8015)
E7 FS	S	2/6	8:56	5.5'	C	1		X	X	X
E9 FS	S	2/6	8:58	5.5'	C	1		X	X	X
F7 FS	S	2/6	9:00	6'	C	1		X	X	X
F8 FS	S	2/6	9:02	6'	C	1		X	X	X
G7 FS	S	2/6	9:04	6'	C	1		X	X	X
G8 FS	S	2/6	9:06	6'	C	1		X	X	X
G10 FS	S	2/6	9:08	6'	C	1		X	X	X
E3 W-SW	S	2/6	12:58	0-5.5	C	1		X	X	X
E4 N-SW	S	2/6	12:56	0-5.5	C	1		X	X	X
E6 N-SW	S	2/6	12:59	0-6	C	1		X	X	X

ANALYSIS REQUEST

Preservative Codes
None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
HCL: HC — HNO_3
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 Comments

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 B Miller	Bruns	2/6 15 55	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 8/15/2024 3:54:37 PM
Received by OCD: 8/8/2024 8:33:35 AM

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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
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 2 of 2

Project Manager:	Jon Gumucio	Bill to: (if different)	Rob Kirk
Company Name:	Terracon	Company Name:	Solaris
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Malaga to Trove	Turn Around	
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Becky Tuller	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:	TNM007	
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No N/A	Temperature Reading:	4.8	
Total Containers:		Corrected Temperature:	4.6	

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: Chlorides	BTEX (8021B)	TPH (8015)
E8 N-SW	S	2/6	1:02	0-5.5	C	1		X	X	X
E10 N-SW	S	2/6	1:06	0-5.5	C	1		X	X	X
E11 E-SW	S	2/6	1:11	0-7	C	1		X	X	X
F11 FS	S	2/6	12:20	7	C	1		X	X	X
F11 S-SW	S	2/6	12:24	0-7	C	1		X	X	X

Preservative Codes
None: NO — DI Water: H_2O
Cool: Cool — MeOH: Me
~~HCL: HC~~ — HNO_3
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 Comments

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 B Tuller	[signature] 2/6	1555	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6117-1
SDG Number: KH247007

Login Number: 6117
List Number: 1
Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6117-1
SDG Number: KH247007

Login Number: 6117
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/08/24 11:21 AM

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

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 2/19/2024 4:46:12 PM

JOB DESCRIPTION

Mobley to Trove
KH247007

JOB NUMBER

890-6137-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 8/13/2024 3:34:57 PM

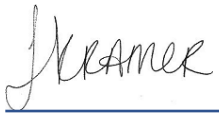
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6137-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Qualifiers

GC VOA

Qualifier	Qualifier Description
S1-	Surrogate recovery exceeds control limits, low biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Terracon Consulting Eng & Scientists Job ID: 890-6137-1
Project: Mobley to Trove

Job ID: 890-6137-1 **Eurofins Carlsbad**

Job Narrative
890-6137-1

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

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

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

Receipt
The samples were received on 2/8/2024 12:32 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.0°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: F9 FS (890-6137-1), E4 FS (890-6137-2), E5 FS (890-6137-3), E6 FS (890-6137-4), F3 W-SW (890-6137-5), F3 S-SW (890-6137-6), F4 S-SW (890-6137-7), F5 S-SW (890-6137-8), F6 S-SW (890-6137-9), F5 FS (890-6137-10), F6 FS (890-6137-11) and F7 S-SW (890-6137-12).

GC VOA
Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73255 and analytical batch 880-73418 was outside the control limits.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72807 and analytical batch 880-72991 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: F9 FS (890-6137-1), F5 FS (890-6137-10) and F6 FS (890-6137-11). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike duplicate (MSD) recoveries for preparation batch 880-72807 and analytical batch 880-72991 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72934 and analytical batch 880-73312 was outside the upper control limits.

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

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

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F9 FS

Date Collected: 02/07/24 12:27
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-1
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 17:48	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 17:48	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 17:48	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 17:48	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 17:48	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 17:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/15/24 12:32*	*02/18/24 17:48*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/15/24 12:32*	*02/18/24 17:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 17:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/13/24 23:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/13/24 23:22	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/13/24 23:22	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/13/24 23:22	1
Total TPH	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/13/24 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/10/24 22:27*	*02/13/24 23:22*	*1*
o-Terphenyl	*58*	*S1-*	*70 - 130*	*02/10/24 22:27*	*02/13/24 23:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42.2**		4.99		mg/Kg			02/12/24 17:32	1

Client Sample ID: E4 FS

Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-2
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 18:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 18:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 18:09	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/18/24 18:09	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/18/24 18:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:09*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:09*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: E4 FS

Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/13/24 23:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 23:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 23:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 23:44	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/10/24 22:27*	*02/13/24 23:44*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/10/24 22:27*	*02/13/24 23:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**55.8**		4.98		mg/Kg			02/12/24 17:39	1

Client Sample ID: E5 FS

Date Collected: 02/07/24 08:44
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 18:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 18:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 18:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 12:32	02/18/24 18:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 12:32	02/18/24 18:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:30*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/18/24 18:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/14/24 00:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 00:26	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: E5 FS

Date Collected: 02/07/24 08:44
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-3

Matrix: Solid

Method: SW846 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)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 00:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 00:26	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 00:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/10/24 22:27*	*02/14/24 00:26*	*1*
o-Terphenyl	*106*		*70 - 130*	*02/10/24 22:27*	*02/14/24 00:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**49.0**		5.00		mg/Kg			02/12/24 17:45	1

Client Sample ID: E6 FS

Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-4

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/18/24 18:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/18/24 18:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/18/24 18:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 12:32	02/18/24 18:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 12:32	02/18/24 18:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 12:32	02/18/24 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:50*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 12:32*	*02/18/24 18:50*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/18/24 18:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/14/24 00:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/10/24 22:27	02/14/24 00:47	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/10/24 22:27	02/14/24 00:47	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/10/24 22:27	02/14/24 00:47	1
Total TPH	<49.6	U	49.6		mg/Kg		02/10/24 22:27	02/14/24 00:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/10/24 22:27*	*02/14/24 00:47*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/10/24 22:27*	*02/14/24 00:47*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: E6 FS

Lab Sample ID: 890-6137-4
Matrix: Solid
Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	280		25.1		mg/Kg			02/12/24 18:04	5

Client Sample ID: F3 W-SW

Lab Sample ID: 890-6137-5
Matrix: Solid
Date Collected: 02/07/24 10:28
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 19:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 19:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 19:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/18/24 19:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/18/24 19:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 19:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:11*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/24 19:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/14/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 01:08	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 01:08	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 01:08	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:08*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	333		25.2		mg/Kg			02/12/24 18:10	5

Client Sample ID: F3 S-SW

Lab Sample ID: 890-6137-6
Matrix: Solid
Date Collected: 02/07/24 10:30
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 19:32	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 19:32	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F3 S-SW

Date Collected: 02/07/24 10:30
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-6

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 19:32	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/24 12:32	02/18/24 19:32	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/24 12:32	02/18/24 19:32	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 19:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:32*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/18/24 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/14/24 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 01:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 01:29	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 01:29	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*130*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:29*	*1*
o-Terphenyl	*113*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**301**		24.9		mg/Kg			02/12/24 18:29	5

Client Sample ID: F4 S-SW

Date Collected: 02/07/24 10:32
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-7

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 19:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 19:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 19:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/15/24 12:32	02/18/24 19:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/15/24 12:32	02/18/24 19:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:53*	*1*
1,4-Difluorobenzene (Surr)	*92*		*70 - 130*	*02/15/24 12:32*	*02/18/24 19:53*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F4 S-SW

Date Collected: 02/07/24 10:32
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-7
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/18/24 19:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/14/24 01:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 01:50	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 01:50	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 01:50	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/14/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:50*	*1*
o-Terphenyl	*105*		*70 - 130*	*02/10/24 22:27*	*02/14/24 01:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**250**		24.8		mg/Kg			02/12/24 18:36	5

Client Sample ID: F5 S-SW

Date Collected: 02/07/24 10:34
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-8
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 20:13	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 20:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 20:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 20:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 20:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:13*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 20:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/14/24 02:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 02:11	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F5 S-SW

Date Collected: 02/07/24 10:34
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-8
Matrix: Solid

Method: SW846 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)	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 02:11	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 02:11	1
Total TPH	<49.9	U	49.9		mg/Kg		02/10/24 22:27	02/14/24 02:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*122*		*70 - 130*	*02/10/24 22:27*	*02/14/24 02:11*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/10/24 22:27*	*02/14/24 02:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**79.1**		4.96		mg/Kg			02/13/24 07:56	1

Client Sample ID: F6 S-SW

Date Collected: 02/07/24 10:36
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 20:34	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 20:34	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 20:34	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/18/24 20:34	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 12:32	02/18/24 20:34	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 12:32	02/18/24 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:34*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:34*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/18/24 20:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/14/24 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 02:33	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 02:33	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 02:33	1
Total TPH	<50.2	U	50.2		mg/Kg		02/10/24 22:27	02/14/24 02:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/10/24 22:27*	*02/14/24 02:33*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/10/24 22:27*	*02/14/24 02:33*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F6 S-SW

Lab Sample ID: 890-6137-9
Matrix: Solid
Date Collected: 02/07/24 10:36
Date Received: 02/08/24 12:32

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.4		4.95		mg/Kg			02/13/24 08:03	1

Client Sample ID: F5 FS

Lab Sample ID: 890-6137-10
Matrix: Solid
Date Collected: 02/07/24 10:46
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 20:55	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 20:55	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 20:55	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/18/24 20:55	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 12:32	02/18/24 20:55	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 12:32	02/18/24 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:55*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 12:32*	*02/18/24 20:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/18/24 20:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/14/24 02:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/10/24 22:27	02/14/24 02:54	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/10/24 22:27	02/14/24 02:54	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/10/24 22:27	02/14/24 02:54	1
Total TPH	<50.1	U	50.1		mg/Kg		02/10/24 22:27	02/14/24 02:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*02/10/24 22:27*	*02/14/24 02:54*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/10/24 22:27*	*02/14/24 02:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	157		5.04		mg/Kg			02/12/24 18:55	1

Client Sample ID: F6 FS

Lab Sample ID: 890-6137-11
Matrix: Solid
Date Collected: 02/07/24 10:48
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 22:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 22:19	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F6 FS

Lab Sample ID: 890-6137-11
Matrix: Solid
Date Collected: 02/07/24 10:48
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 22:19	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/15/24 12:32	02/18/24 22:19	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/15/24 12:32	02/18/24 22:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*02/15/24 12:32*	*02/18/24 22:19*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/15/24 12:32*	*02/18/24 22:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/18/24 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/14/24 03:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/14/24 03:15	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/14/24 03:15	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/14/24 03:15	1
Total TPH	<50.5	U	50.5		mg/Kg		02/10/24 22:27	02/14/24 03:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*02/10/24 22:27*	*02/14/24 03:15*	*1*
o-Terphenyl	*119*		*70 - 130*	*02/10/24 22:27*	*02/14/24 03:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18.7**		5.02		mg/Kg			02/12/24 19:01	1

Client Sample ID: F7 S-SW

Lab Sample ID: 890-6137-12
Matrix: Solid
Date Collected: 02/07/24 11:50
Date Received: 02/08/24 12:32

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 22:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 22:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 22:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 22:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 12:32	02/18/24 22:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 12:32	02/18/24 22:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/15/24 12:32*	*02/18/24 22:40*	*1*
1,4-Difluorobenzene (Surr)	*85*		*70 - 130*	*02/15/24 12:32*	*02/18/24 22:40*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F7 S-SW

Date Collected: 02/07/24 11:50
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-12

Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/18/24 22:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/16/24 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/12/24 14:51	02/16/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/12/24 14:51	02/16/24 13:15	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/12/24 14:51	02/16/24 13:15	1
Total TPH	<50.1	U	50.1		mg/Kg		02/12/24 14:51	02/16/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/12/24 14:51*	*02/16/24 13:15*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/12/24 14:51*	*02/16/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**80.6**		4.98		mg/Kg			02/13/24 08:09	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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)
890-6137-1	F9 FS	76	79
890-6137-1 MS	F9 FS	105	112
890-6137-1 MSD	F9 FS	110	117
890-6137-2	E4 FS	76	88
890-6137-3	E5 FS	91	82
890-6137-4	E6 FS	76	94
890-6137-5	F3 W-SW	75	94
890-6137-6	F3 S-SW	87	80
890-6137-7	F4 S-SW	79	92
890-6137-8	F5 S-SW	90	82
890-6137-9	F6 S-SW	75	100
890-6137-10	F5 FS	78	94
890-6137-11	F6 FS	73	88
890-6137-12	F7 S-SW	90	85
LCS 880-73255/1-A	Lab Control Sample	105	112
LCSD 880-73255/2-A	Lab Control Sample Dup	110	118
MB 880-73255/5-A	Method Blank	69 S1-	94

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-6133-A-1-D MS	Matrix Spike	109	85
890-6133-A-1-E MSD	Matrix Spike Duplicate	129	98
890-6137-1	F9 FS	69 S1-	58 S1-
890-6137-2	E4 FS	114	96
890-6137-3	E5 FS	121	106
890-6137-4	E6 FS	118	100
890-6137-5	F3 W-SW	130	112
890-6137-6	F3 S-SW	130	113
890-6137-7	F4 S-SW	124	105
890-6137-8	F5 S-SW	122	102
890-6137-9	F6 S-SW	112	99
890-6137-10	F5 FS	132 S1+	112
890-6137-11	F6 FS	139 S1+	119
890-6137-12	F7 S-SW	92	96
890-6149-A-1-C MS	Matrix Spike	80	79
890-6149-A-1-D MSD	Matrix Spike Duplicate	79	77
LCS 880-72807/2-A	Lab Control Sample	107	105
LCS 880-72934/2-A	Lab Control Sample	94	99
LCSD 880-72807/3-A	Lab Control Sample Dup	103	104
LCSD 880-72934/3-A	Lab Control Sample Dup	94	99
MB 880-72807/1-A	Method Blank	210 S1+	191 S1+
MB 880-72934/1-A	Method Blank	235 S1+	266 S1+

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73255/5-A
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73255

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:32	02/18/24 17:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:32	02/18/24 17:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*02/15/24 12:32*	*02/18/24 17:27*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 12:32*	*02/18/24 17:27*	*1*

Lab Sample ID: LCS 880-73255/1-A
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73255

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.08643		mg/Kg		86	70 - 130		
Ethylbenzene			0.100	0.09440		mg/Kg		94	70 - 130		
Toluene			0.100	0.08482		mg/Kg		85	70 - 130		
m-Xylene & p-Xylene			0.200	0.1953		mg/Kg		98	70 - 130		
o-Xylene			0.100	0.09495		mg/Kg		95	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: LCSD 880-73255/2-A
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73255

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08392		mg/Kg		84	70 - 130	3	35
Ethylbenzene			0.100	0.09192		mg/Kg		92	70 - 130	3	35
Toluene			0.100	0.08055		mg/Kg		81	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1909		mg/Kg		95	70 - 130	2	35
o-Xylene			0.100	0.09303		mg/Kg		93	70 - 130	2	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 890-6137-1 MS
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: F9 FS
Prep Type: Total/NA
Prep Batch: 73255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.100	0.07880		mg/Kg		79	70 - 130		
Ethylbenzene	<0.00199	U	0.100	0.08689		mg/Kg		87	70 - 130		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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

Lab Sample ID: 890-6137-1 MS
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: F9 FS
Prep Type: Total/NA
Prep Batch: 73255

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00199	U	0.100	0.07675		mg/Kg		77	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.1785		mg/Kg		89	70 - 130
o-Xylene	<0.00199	U	0.100	0.08695		mg/Kg		87	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*

Lab Sample ID: 890-6137-1 MSD
Matrix: Solid
Analysis Batch: 73418

Client Sample ID: F9 FS
Prep Type: Total/NA
Prep Batch: 73255

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.09740		mg/Kg		97	70 - 130	21	35
Ethylbenzene	<0.00199	U	0.101	0.1004		mg/Kg		100	70 - 130	14	35
Toluene	<0.00199	U	0.101	0.09025		mg/Kg		90	70 - 130	16	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2101		mg/Kg		104	70 - 130	16	35
o-Xylene	<0.00199	U	0.101	0.1016		mg/Kg		101	70 - 130	16	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*

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

Lab Sample ID: MB 880-72807/1-A
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72807

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 18:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 18:42	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 18:42	1
Total TPH	<50.0	U	50.0		mg/Kg		02/10/24 22:27	02/13/24 18:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*210*	*S1+*	*70 - 130*	*02/10/24 22:27*	*02/13/24 18:42*	*1*
o-Terphenyl	*191*	*S1+*	*70 - 130*	*02/10/24 22:27*	*02/13/24 18:42*	*1*

Lab Sample ID: LCS 880-72807/2-A
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72807

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1037		mg/Kg		104	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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

Lab Sample ID: LCS 880-72807/2-A
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72807

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	975.0		mg/Kg		98	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-72807/3-A
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72807

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	1059		mg/Kg		106	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	946.6		mg/Kg		95	70 - 130	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 890-6133-A-1-D MS
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72807

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	1010	918.2		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.2	U F1	1010	1158		mg/Kg		113	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: 890-6133-A-1-E MSD
Matrix: Solid
Analysis Batch: 72991

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72807

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	<50.2	U	1010	1112		mg/Kg		108	70 - 130	19	20
Diesel Range Organics (Over C10-C28)	<50.2	U F1	1010	1390	F1	mg/Kg		136	70 - 130	18	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*129*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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

Lab Sample ID: MB 880-72934/1-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/12/24 14:51	02/16/24 07:45	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/12/24 14:51	02/16/24 07:45	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/12/24 14:51	02/16/24 07:45	1
Total TPH	<50.0	U	50.0		mg/Kg		02/12/24 14:51	02/16/24 07:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*235*	*S1+*	*70 - 130*	*02/12/24 14:51*	*02/16/24 07:45*	*1*
o-Terphenyl	*266*	*S1+*	*70 - 130*	*02/12/24 14:51*	*02/16/24 07:45*	*1*

Lab Sample ID: LCS 880-72934/2-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72934

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	977.0		mg/Kg		98	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	883.1		mg/Kg		88	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-72934/3-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72934

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	996.1		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	866.9		mg/Kg		87	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*94*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: 890-6149-A-1-C MS
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72934

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	1010	1148		mg/Kg		109	70 - 130		
Diesel Range Organics (Over C10-C28)	52.9		1010	768.5		mg/Kg		71	70 - 130		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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

Lab Sample ID: 890-6149-A-1-C MS
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72934

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	80		70 - 130
o-Terphenyl	79		70 - 130

Lab Sample ID: 890-6149-A-1-D MSD
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72934

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	<49.6	U	1010	1248		mg/Kg		119	70 - 130	8	20
Diesel Range Organics (Over C10-C28)	52.9		1010	769.2		mg/Kg		71	70 - 130	0	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	79		70 - 130
o-Terphenyl	77		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72745/1-A
Matrix: Solid
Analysis Batch: 72843

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/12/24 15:57	1

Lab Sample ID: LCS 880-72745/2-A
Matrix: Solid
Analysis Batch: 72843

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	258.2		mg/Kg		103	90 - 110		

Lab Sample ID: LCSD 880-72745/3-A
Matrix: Solid
Analysis Batch: 72843

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.2		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-6137-3 MS
Matrix: Solid
Analysis Batch: 72843

Client Sample ID: E5 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	49.0		250	284.2		mg/Kg		94	90 - 110		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6137-3 MSD
Matrix: Solid
Analysis Batch: 72843

Client Sample ID: E5 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	49.0		250	281.3		mg/Kg		93	90 - 110	1	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

GC VOA

Prep Batch: 73255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	5035	
890-6137-2	E4 FS	Total/NA	Solid	5035	
890-6137-3	E5 FS	Total/NA	Solid	5035	
890-6137-4	E6 FS	Total/NA	Solid	5035	
890-6137-5	F3 W-SW	Total/NA	Solid	5035	
890-6137-6	F3 S-SW	Total/NA	Solid	5035	
890-6137-7	F4 S-SW	Total/NA	Solid	5035	
890-6137-8	F5 S-SW	Total/NA	Solid	5035	
890-6137-9	F6 S-SW	Total/NA	Solid	5035	
890-6137-10	F5 FS	Total/NA	Solid	5035	
890-6137-11	F6 FS	Total/NA	Solid	5035	
890-6137-12	F7 S-SW	Total/NA	Solid	5035	
MB 880-73255/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73255/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73255/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6137-1 MS	F9 FS	Total/NA	Solid	5035	
890-6137-1 MSD	F9 FS	Total/NA	Solid	5035	

Analysis Batch: 73418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	8021B	73255
890-6137-2	E4 FS	Total/NA	Solid	8021B	73255
890-6137-3	E5 FS	Total/NA	Solid	8021B	73255
890-6137-4	E6 FS	Total/NA	Solid	8021B	73255
890-6137-5	F3 W-SW	Total/NA	Solid	8021B	73255
890-6137-6	F3 S-SW	Total/NA	Solid	8021B	73255
890-6137-7	F4 S-SW	Total/NA	Solid	8021B	73255
890-6137-8	F5 S-SW	Total/NA	Solid	8021B	73255
890-6137-9	F6 S-SW	Total/NA	Solid	8021B	73255
890-6137-10	F5 FS	Total/NA	Solid	8021B	73255
890-6137-11	F6 FS	Total/NA	Solid	8021B	73255
890-6137-12	F7 S-SW	Total/NA	Solid	8021B	73255
MB 880-73255/5-A	Method Blank	Total/NA	Solid	8021B	73255
LCS 880-73255/1-A	Lab Control Sample	Total/NA	Solid	8021B	73255
LCSD 880-73255/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73255
890-6137-1 MS	F9 FS	Total/NA	Solid	8021B	73255
890-6137-1 MSD	F9 FS	Total/NA	Solid	8021B	73255

Analysis Batch: 73595

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	Total BTEX	
890-6137-2	E4 FS	Total/NA	Solid	Total BTEX	
890-6137-3	E5 FS	Total/NA	Solid	Total BTEX	
890-6137-4	E6 FS	Total/NA	Solid	Total BTEX	
890-6137-5	F3 W-SW	Total/NA	Solid	Total BTEX	
890-6137-6	F3 S-SW	Total/NA	Solid	Total BTEX	
890-6137-7	F4 S-SW	Total/NA	Solid	Total BTEX	
890-6137-8	F5 S-SW	Total/NA	Solid	Total BTEX	
890-6137-9	F6 S-SW	Total/NA	Solid	Total BTEX	
890-6137-10	F5 FS	Total/NA	Solid	Total BTEX	
890-6137-11	F6 FS	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 73595 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-12	F7 S-SW	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72807

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	8015NM Prep	
890-6137-2	E4 FS	Total/NA	Solid	8015NM Prep	
890-6137-3	E5 FS	Total/NA	Solid	8015NM Prep	
890-6137-4	E6 FS	Total/NA	Solid	8015NM Prep	
890-6137-5	F3 W-SW	Total/NA	Solid	8015NM Prep	
890-6137-6	F3 S-SW	Total/NA	Solid	8015NM Prep	
890-6137-7	F4 S-SW	Total/NA	Solid	8015NM Prep	
890-6137-8	F5 S-SW	Total/NA	Solid	8015NM Prep	
890-6137-9	F6 S-SW	Total/NA	Solid	8015NM Prep	
890-6137-10	F5 FS	Total/NA	Solid	8015NM Prep	
890-6137-11	F6 FS	Total/NA	Solid	8015NM Prep	
MB 880-72807/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72807/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6133-A-1-D MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6133-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 72934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-12	F7 S-SW	Total/NA	Solid	8015NM Prep	
MB 880-72934/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72934/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72934/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6149-A-1-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6149-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	8015B NM	72807
890-6137-2	E4 FS	Total/NA	Solid	8015B NM	72807
890-6137-3	E5 FS	Total/NA	Solid	8015B NM	72807
890-6137-4	E6 FS	Total/NA	Solid	8015B NM	72807
890-6137-5	F3 W-SW	Total/NA	Solid	8015B NM	72807
890-6137-6	F3 S-SW	Total/NA	Solid	8015B NM	72807
890-6137-7	F4 S-SW	Total/NA	Solid	8015B NM	72807
890-6137-8	F5 S-SW	Total/NA	Solid	8015B NM	72807
890-6137-9	F6 S-SW	Total/NA	Solid	8015B NM	72807
890-6137-10	F5 FS	Total/NA	Solid	8015B NM	72807
890-6137-11	F6 FS	Total/NA	Solid	8015B NM	72807
MB 880-72807/1-A	Method Blank	Total/NA	Solid	8015B NM	72807
LCS 880-72807/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72807
LCSD 880-72807/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72807
890-6133-A-1-D MS	Matrix Spike	Total/NA	Solid	8015B NM	72807
890-6133-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72807

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

GC Semi VOA

Analysis Batch: 73136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Total/NA	Solid	8015 NM	
890-6137-2	E4 FS	Total/NA	Solid	8015 NM	
890-6137-3	E5 FS	Total/NA	Solid	8015 NM	
890-6137-4	E6 FS	Total/NA	Solid	8015 NM	
890-6137-5	F3 W-SW	Total/NA	Solid	8015 NM	
890-6137-6	F3 S-SW	Total/NA	Solid	8015 NM	
890-6137-7	F4 S-SW	Total/NA	Solid	8015 NM	
890-6137-8	F5 S-SW	Total/NA	Solid	8015 NM	
890-6137-9	F6 S-SW	Total/NA	Solid	8015 NM	
890-6137-10	F5 FS	Total/NA	Solid	8015 NM	
890-6137-11	F6 FS	Total/NA	Solid	8015 NM	
890-6137-12	F7 S-SW	Total/NA	Solid	8015 NM	

Analysis Batch: 73312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-12	F7 S-SW	Total/NA	Solid	8015B NM	72934
MB 880-72934/1-A	Method Blank	Total/NA	Solid	8015B NM	72934
LCS 880-72934/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72934
LCSD 880-72934/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72934
890-6149-A-1-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72934
890-6149-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72934

HPLC/IC

Leach Batch: 72745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Soluble	Solid	DI Leach	
890-6137-2	E4 FS	Soluble	Solid	DI Leach	
890-6137-3	E5 FS	Soluble	Solid	DI Leach	
890-6137-4	E6 FS	Soluble	Solid	DI Leach	
890-6137-5	F3 W-SW	Soluble	Solid	DI Leach	
890-6137-6	F3 S-SW	Soluble	Solid	DI Leach	
890-6137-7	F4 S-SW	Soluble	Solid	DI Leach	
890-6137-8	F5 S-SW	Soluble	Solid	DI Leach	
890-6137-9	F6 S-SW	Soluble	Solid	DI Leach	
890-6137-10	F5 FS	Soluble	Solid	DI Leach	
890-6137-11	F6 FS	Soluble	Solid	DI Leach	
890-6137-12	F7 S-SW	Soluble	Solid	DI Leach	
MB 880-72745/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72745/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72745/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6137-3 MS	E5 FS	Soluble	Solid	DI Leach	
890-6137-3 MSD	E5 FS	Soluble	Solid	DI Leach	

Analysis Batch: 72843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-1	F9 FS	Soluble	Solid	300.0	72745
890-6137-2	E4 FS	Soluble	Solid	300.0	72745
890-6137-3	E5 FS	Soluble	Solid	300.0	72745
890-6137-4	E6 FS	Soluble	Solid	300.0	72745
890-6137-5	F3 W-SW	Soluble	Solid	300.0	72745

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 72843 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6137-6	F3 S-SW	Soluble	Solid	300.0	72745
890-6137-7	F4 S-SW	Soluble	Solid	300.0	72745
890-6137-8	F5 S-SW	Soluble	Solid	300.0	72745
890-6137-9	F6 S-SW	Soluble	Solid	300.0	72745
890-6137-10	F5 FS	Soluble	Solid	300.0	72745
890-6137-11	F6 FS	Soluble	Solid	300.0	72745
890-6137-12	F7 S-SW	Soluble	Solid	300.0	72745
MB 880-72745/1-A	Method Blank	Soluble	Solid	300.0	72745
LCS 880-72745/2-A	Lab Control Sample	Soluble	Solid	300.0	72745
LCSD 880-72745/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72745
890-6137-3 MS	E5 FS	Soluble	Solid	300.0	72745
890-6137-3 MSD	E5 FS	Soluble	Solid	300.0	72745

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F9 FS
Date Collected: 02/07/24 12:27
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 17:48	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 17:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/13/24 23:22	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/13/24 23:22	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/12/24 17:32	CH	EET MID

Client Sample ID: E4 FS
Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 18:09	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 18:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/13/24 23:44	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/13/24 23:44	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/12/24 17:39	CH	EET MID

Client Sample ID: E5 FS
Date Collected: 02/07/24 08:44
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-3
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			4.95 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 18:30	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 00:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 00:26	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/12/24 17:45	CH	EET MID

Client Sample ID: E6 FS
Date Collected: 02/07/24 08:45
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-4
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			4.97 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 18:50	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 18:50	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: E6 FS
Lab Sample ID: 890-6137-4
Date Collected: 02/07/24 08:45
Matrix: Solid
Date Received: 02/08/24 12:32

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			73136	02/14/24 00:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 00:47	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		5			72843	02/12/24 18:04	CH	EET MID

Client Sample ID: F3 W-SW
Lab Sample ID: 890-6137-5
Date Collected: 02/07/24 10:28
Matrix: Solid
Date Received: 02/08/24 12:32

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	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 19:11	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 19:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 01:08	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		5			72843	02/12/24 18:10	CH	EET MID

Client Sample ID: F3 S-SW
Lab Sample ID: 890-6137-6
Date Collected: 02/07/24 10:30
Matrix: Solid
Date Received: 02/08/24 12:32

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 19:32	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 19:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 01:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 01:29	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		5			72843	02/12/24 18:29	CH	EET MID

Client Sample ID: F4 S-SW
Lab Sample ID: 890-6137-7
Date Collected: 02/07/24 10:32
Matrix: Solid
Date Received: 02/08/24 12:32

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	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 19:53	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 19:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 01:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 01:50	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F4 S-SW
Date Collected: 02/07/24 10:32
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-7
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			5.04 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		5			72843	02/12/24 18:36	CH	EET MID

Client Sample ID: F5 S-SW
Date Collected: 02/07/24 10:34
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-8
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			5.02 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 20:13	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 20:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 02:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 02:11	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/13/24 07:56	CH	EET MID

Client Sample ID: F6 S-SW
Date Collected: 02/07/24 10:36
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-9
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			5.05 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 20:34	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 20:34	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 02:33	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 02:33	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/13/24 08:03	CH	EET MID

Client Sample ID: F5 FS
Date Collected: 02/07/24 10:46
Date Received: 02/08/24 12:32

Lab Sample ID: 890-6137-10
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 20:55	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 20:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 02:54	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 02:54	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/12/24 18:55	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Client Sample ID: F6 FS

Lab Sample ID: 890-6137-11
Matrix: Solid
Date Collected: 02/07/24 10:48
Date Received: 02/08/24 12:32

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	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 22:19	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 22:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/14/24 03:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	72807	02/10/24 22:27	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72991	02/14/24 03:15	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/12/24 19:01	CH	EET MID

Client Sample ID: F7 S-SW

Lab Sample ID: 890-6137-12
Matrix: Solid
Date Collected: 02/07/24 11:50
Date Received: 02/08/24 12:32

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	73255	02/15/24 12:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73418	02/18/24 22:40	SM	EET MID
Total/NA	Analysis	Total BTEX		1			73595	02/18/24 22:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			73136	02/16/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72934	02/12/24 14:51	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/16/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72745	02/09/24 12:04	SMC	EET MID
Soluble	Analysis	300.0		1			72843	02/13/24 08:09	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6137-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6137-1	F9 FS	Solid	02/07/24 12:27	02/08/24 12:32
890-6137-2	E4 FS	Solid	02/07/24 08:45	02/08/24 12:32
890-6137-3	E5 FS	Solid	02/07/24 08:44	02/08/24 12:32
890-6137-4	E6 FS	Solid	02/07/24 08:45	02/08/24 12:32
890-6137-5	F3 W-SW	Solid	02/07/24 10:28	02/08/24 12:32
890-6137-6	F3 S-SW	Solid	02/07/24 10:30	02/08/24 12:32
890-6137-7	F4 S-SW	Solid	02/07/24 10:32	02/08/24 12:32
890-6137-8	F5 S-SW	Solid	02/07/24 10:34	02/08/24 12:32
890-6137-9	F6 S-SW	Solid	02/07/24 10:36	02/08/24 12:32
890-6137-10	F5 FS	Solid	02/07/24 10:46	02/08/24 12:32
890-6137-11	F6 FS	Solid	02/07/24 10:48	02/08/24 12:32
890-6137-12	F7 S-SW	Solid	02/07/24 11:50	02/08/24 12:32

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Received by OCD: 8/8/2024 8:33:35 AM

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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
Little Rock, AR (501) 224-5060

Work Order No: _____

Project Manager:	Joe Guerrero	Bill to: (if different)	Rob Kirk
Company Name:	Tetra Tech	Company Name:	Solaris
Address:	4518 W Pierce St.	Address:	
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	
Phone:	575 302 5747	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:	Mobley to Prove	Turn Around	☒ Routine ☐ Rush
Project Number:	KH247007	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Becky T Miller		
PO #:			

SAMPLE RECEIPT

Temp Blank:	Yes (No)	Wet Ice:	Yes No
Samples Received Intact:	(Yes) No	Thermometer ID:	TM008
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.0

ANALYSIS REQUEST

Pres. Code / Parameters: Chlorides | BTEX (8021B) | TPH (8015)

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
~~HCL: HC~~ | ~~HNO_3~~
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	Chlorides	BTEX (8021B)	TPH (8015)	Sample Comments
F9 FS	S	2/6	12:27	7'	C	1	X	X	X	
E4 FS	S	2/7	8:45	6.5	C	1	X	X	X	
E5 FS	S	2/7	8:44	6.5	C	1	X	X	X	
E6 FS	S	2/7	8:45	6.5	C	1	X	X	X	
F3 W-SW	S	2/7	10:28	0-7	C	1	X	X	X	
F3 S-SW	S	2/7	10:30	0-7	C	1	X	X	X	
F4 S-SW	S	2/7	10:32	0-7	C	1	X	X	X	
F5 S-SW	S	2/7	10:34	0-7	C	1	X	X	X	
F6 S-SW	S	2/7	10:36	0-7	C	1	X	X	X	
F5 FS	S	2/7	10:46	7'	C	1	X	X	X	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 B T Miller	Bruns 2/7	1429	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 8/8/2024 8:33:35 AM

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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 2

Project Manager:	Joe Guerrero	Bill to: (if different)	Rob Kirk
Company Name:	Terracon	Company Name:	Solaris
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	
Phone:	575 302 5747	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:	Mobley to Travis	Turn Around	
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Becky Miller	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:	Tmac
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	3.2
Total Containers:		Corrected Temperature:	3.0

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: Chlorides	BTEX (8021 B)	TPH (8015)
F6 FS	S	2/7	10:48	7'	C	1	X	X	X
F7 S-SW	S	2/7	11:50	0-7	C	1	X	X	X

Sample Comments

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 BMiller	Bruns	2/7 1429	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6137-1
SDG Number: KH247007

Login Number: 6137
List Number: 1
Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6137-1
SDG Number: KH247007

Login Number: 6137
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/09/24 11:25 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 2/20/2024 12:03:50 PM

JOB DESCRIPTION

Mobley to Trove
KH247007

JOB NUMBER

890-6143-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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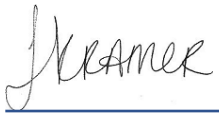
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6143-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Qualifiers

GC VOA

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

GC Semi VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Terracon Consulting Eng & Scientists Job ID: 890-6143-1
Project: Mobley to Trove

Job ID: 890-6143-1 **Eurofins Carlsbad**

Job Narrative
890-6143-1

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

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

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

Receipt
The samples were received on 2/8/2024 4:08 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.8°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: E3 FS (890-6143-1), F3 FS (890-6143-2), E8 FS (890-6143-3), E10 FS (890-6143-4), E11 FS (890-6143-5) and F4 FS (890-6143-6).

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72933 and analytical batch 880-73312 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: E8 FS (890-6143-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The method blank for preparation batch 880-72933 and analytical batch 880-73312 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-72933 and analytical batch 880-73312 was outside control limits. Sample non-homogeneity is suspected.

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

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

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: E3 FS

Date Collected: 02/08/24 10:30
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-1

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/15/24 15:04	02/20/24 00:03	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/15/24 15:04	02/20/24 00:03	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/15/24 15:04	02/20/24 00:03	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/15/24 15:04	02/20/24 00:03	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/15/24 15:04	02/20/24 00:03	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/15/24 15:04	02/20/24 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:03*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/20/24 00:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/17/24 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/12/24 14:48	02/17/24 00:04	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/12/24 14:48	02/17/24 00:04	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/12/24 14:48	02/17/24 00:04	1
Total TPH	<50.1	U	50.1		mg/Kg		02/12/24 14:48	02/17/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/12/24 14:48*	*02/17/24 00:04*	*1*
o-Terphenyl	*124*		*70 - 130*	*02/12/24 14:48*	*02/17/24 00:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**86.6**		5.02		mg/Kg			02/12/24 13:51	1

Client Sample ID: F3 FS

Date Collected: 02/08/24 10:31
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 00:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 00:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 00:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/15/24 15:04	02/20/24 00:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/15/24 15:04	02/20/24 00:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 00:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:24*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:24*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: F3 FS

Date Collected: 02/08/24 10:31
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-2
Matrix: Solid

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/20/24 00:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/17/24 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/12/24 14:48	02/17/24 00:48	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/12/24 14:48	02/17/24 00:48	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/12/24 14:48	02/17/24 00:48	1
Total TPH	<50.4	U	50.4		mg/Kg		02/12/24 14:48	02/17/24 00:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*116*		*70 - 130*	*02/12/24 14:48*	*02/17/24 00:48*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/12/24 14:48*	*02/17/24 00:48*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**105**		5.05		mg/Kg			02/12/24 14:05	1

Client Sample ID: E8 FS

Date Collected: 02/08/24 10:46
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 00:44	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 00:44	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 00:44	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/15/24 15:04	02/20/24 00:44	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/15/24 15:04	02/20/24 00:44	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 00:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:44*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/15/24 15:04*	*02/20/24 00:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/20/24 00:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/17/24 01:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/12/24 14:48	02/17/24 01:11	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: E8 FS

Date Collected: 02/08/24 10:46
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-3
Matrix: Solid

Method: SW846 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)	<50.3	U	50.3		mg/Kg		02/12/24 14:48	02/17/24 01:11	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/12/24 14:48	02/17/24 01:11	1
Total TPH	<50.3	U	50.3		mg/Kg		02/12/24 14:48	02/17/24 01:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*02/12/24 14:48*	*02/17/24 01:11*	*1*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*02/12/24 14:48*	*02/17/24 01:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**50.5**		5.04		mg/Kg			02/12/24 14:10	1

Client Sample ID: E10 FS

Date Collected: 02/08/24 10:48
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-4
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/15/24 15:04	02/20/24 01:05	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/15/24 15:04	02/20/24 01:05	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/15/24 15:04	02/20/24 01:05	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/15/24 15:04	02/20/24 01:05	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/15/24 15:04	02/20/24 01:05	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/15/24 15:04	02/20/24 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:05*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/20/24 01:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/17/24 01:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/12/24 14:48	02/17/24 01:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/12/24 14:48	02/17/24 01:33	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/12/24 14:48	02/17/24 01:33	1
Total TPH	<49.7	U	49.7		mg/Kg		02/12/24 14:48	02/17/24 01:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/12/24 14:48*	*02/17/24 01:33*	*1*
o-Terphenyl	*114*		*70 - 130*	*02/12/24 14:48*	*02/17/24 01:33*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: E10 FS

Date Collected: 02/08/24 10:48
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-4
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	270		5.04		mg/Kg			02/12/24 14:15	1

Client Sample ID: E11 FS

Date Collected: 02/08/24 10:50
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-5
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 01:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 01:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 01:25	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/15/24 15:04	02/20/24 01:25	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/15/24 15:04	02/20/24 01:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/15/24 15:04	02/20/24 01:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:25*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/20/24 01:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/17/24 01:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/12/24 14:48	02/17/24 01:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/12/24 14:48	02/17/24 01:55	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/12/24 14:48	02/17/24 01:55	1
Total TPH	<49.9	U	49.9		mg/Kg		02/12/24 14:48	02/17/24 01:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/12/24 14:48*	*02/17/24 01:55*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/12/24 14:48*	*02/17/24 01:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	321		4.99		mg/Kg			02/12/24 14:19	1

Client Sample ID: F4 FS

Date Collected: 02/08/24 01:24
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 01:46	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 01:46	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: F4 FS
Date Collected: 02/08/24 01:24
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-6
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 01:46	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		02/15/24 15:04	02/20/24 01:46	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		02/15/24 15:04	02/20/24 01:46	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/15/24 15:04	02/20/24 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:46*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/15/24 15:04*	*02/20/24 01:46*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00397	U	0.00397		mg/Kg			02/20/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/17/24 02:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/12/24 14:48	02/17/24 02:18	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/12/24 14:48	02/17/24 02:18	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/12/24 14:48	02/17/24 02:18	1
Total TPH	<49.6	U	49.6		mg/Kg		02/12/24 14:48	02/17/24 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*117*		*70 - 130*	*02/12/24 14:48*	*02/17/24 02:18*	*1*
o-Terphenyl	*125*		*70 - 130*	*02/12/24 14:48*	*02/17/24 02:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**57.1**		4.96		mg/Kg			02/12/24 14:33	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

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)
890-6143-1	E3 FS	94	101
890-6143-1 MS	E3 FS	116	99
890-6143-1 MSD	E3 FS	116	97
890-6143-2	F3 FS	109	107
890-6143-3	E8 FS	112	103
890-6143-4	E10 FS	110	99
890-6143-5	E11 FS	113	104
890-6143-6	F4 FS	114	104
LCS 880-73277/1-A	Lab Control Sample	105	102
LCSD 880-73277/2-A	Lab Control Sample Dup	103	97
MB 880-73254/5-A	Method Blank	128	119
MB 880-73277/5-A	Method Blank	130	118

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-39134-A-3-C MS	Matrix Spike	108	101
880-39134-A-3-D MSD	Matrix Spike Duplicate	125	117
890-6143-1	E3 FS	111	124
890-6143-2	F3 FS	116	125
890-6143-3	E8 FS	139 S1+	149 S1+
890-6143-4	E10 FS	108	114
890-6143-5	E11 FS	111	120
890-6143-6	F4 FS	117	125
LCS 880-72933/2-A	Lab Control Sample	101	104
LCSD 880-72933/3-A	Lab Control Sample Dup	101	105
MB 880-72933/1-A	Method Blank	225 S1+	256 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73254/5-A
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73254

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 12:30	02/19/24 11:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 12:30	02/19/24 11:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*	*02/15/24 12:30*	*02/19/24 11:56*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*02/15/24 12:30*	*02/19/24 11:56*	*1*

Lab Sample ID: MB 880-73277/5-A
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73277

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/15/24 15:04	02/19/24 23:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/15/24 15:04	02/19/24 23:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/15/24 15:04	02/19/24 23:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/15/24 15:04	02/19/24 23:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/15/24 15:04	02/19/24 23:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/15/24 15:04	02/19/24 23:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*130*		*70 - 130*	*02/15/24 15:04*	*02/19/24 23:35*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/15/24 15:04*	*02/19/24 23:35*	*1*

Lab Sample ID: LCS 880-73277/1-A
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73277

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1135		mg/Kg		113	70 - 130
Ethylbenzene	0.100	0.1133		mg/Kg		113	70 - 130
Toluene	0.100	0.1013		mg/Kg		101	70 - 130
m-Xylene & p-Xylene	0.200	0.2121		mg/Kg		106	70 - 130
o-Xylene	0.100	0.1034		mg/Kg		103	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-73277/2-A
Matrix: Solid
Analysis Batch: 73429

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73277

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1122		mg/Kg		112	70 - 130	1	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73277/2-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73429 — **Prep Batch: 73277**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			0.100	0.1118		mg/Kg		112	70 - 130	1	35
Toluene			0.100	0.1014		mg/Kg		101	70 - 130	0	35
m-Xylene & p-Xylene			0.200	0.2009		mg/Kg		100	70 - 130	5	35
o-Xylene			0.100	0.09643		mg/Kg		96	70 - 130	7	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*
1,4-Difluorobenzene (Surr)	*97*		*70 - 130*

Lab Sample ID: 890-6143-1 MS — **Client Sample ID: E3 FS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73429 — **Prep Batch: 73277**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.100	0.1042		mg/Kg		104	70 - 130
Ethylbenzene	<0.00199	U	0.100	0.1075		mg/Kg		107	70 - 130
Toluene	<0.00199	U	0.100	0.09708		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2091		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U	0.100	0.1096		mg/Kg		109	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-6143-1 MSD — **Client Sample ID: E3 FS**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73429 — **Prep Batch: 73277**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.101	0.1057		mg/Kg		105	70 - 130	1	35
Ethylbenzene	<0.00199	U	0.101	0.1106		mg/Kg		110	70 - 130	3	35
Toluene	<0.00199	U	0.101	0.1028		mg/Kg		102	70 - 130	6	35
m-Xylene & p-Xylene	<0.00398	U	0.201	0.2262		mg/Kg		112	70 - 130	8	35
o-Xylene	<0.00199	U	0.101	0.1090		mg/Kg		108	70 - 130	1	35

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

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

Lab Sample ID: MB 880-72933/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73312 — **Prep Batch: 72933**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/12/24 14:48	02/16/24 19:02	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

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

Lab Sample ID: MB 880-72933/1-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/12/24 14:48	02/16/24 19:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/12/24 14:48	02/16/24 19:02	1
Total TPH	<50.0	U	50.0		mg/Kg		02/12/24 14:48	02/16/24 19:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*225*	*S1+*	*70 - 130*	*02/12/24 14:48*	*02/16/24 19:02*	*1*
o-Terphenyl	*256*	*S1+*	*70 - 130*	*02/12/24 14:48*	*02/16/24 19:02*	*1*

Lab Sample ID: LCS 880-72933/2-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72933

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	997.5		mg/Kg		100	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	994.2		mg/Kg		99	70 - 130		

Surrogate			*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane			*101*		*70 - 130*
o-Terphenyl			*104*		*70 - 130*

Lab Sample ID: LCSD 880-72933/3-A
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72933

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	951.4		mg/Kg		95	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1000	957.7		mg/Kg		96	70 - 130	4	20

Surrogate			*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane			*101*		*70 - 130*
o-Terphenyl			*105*		*70 - 130*

Lab Sample ID: 880-39134-A-3-C MS
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72933

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U F2	991	1004		mg/Kg		96	70 - 130		
Diesel Range Organics (Over C10-C28)	56.3		991	1081		mg/Kg		103	70 - 130		

Surrogate			*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane			*108*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

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

Lab Sample ID: 880-39134-A-3-C MS
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72933

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	101		70 - 130

Lab Sample ID: 880-39134-A-3-D MSD
Matrix: Solid
Analysis Batch: 73312

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72933

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	<49.9	U F2	991	1252	F2	mg/Kg		122	70 - 130	22	20
Diesel Range Organics (Over C10-C28)	56.3		991	1262		mg/Kg		122	70 - 130	15	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	125		70 - 130
o-Terphenyl	117		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72850/1-A
Matrix: Solid
Analysis Batch: 72906

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/12/24 13:37	1

Lab Sample ID: LCS 880-72850/2-A
Matrix: Solid
Analysis Batch: 72906

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	235.0		mg/Kg		94	90 - 110

Lab Sample ID: LCSD 880-72850/3-A
Matrix: Solid
Analysis Batch: 72906

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	234.9		mg/Kg		94	90 - 110	0	20

Lab Sample ID: 890-6143-1 MS
Matrix: Solid
Analysis Batch: 72906

Client Sample ID: E3 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	86.6		251	335.6		mg/Kg		99	90 - 110

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6143-1 MSD
Matrix: Solid
Analysis Batch: 72906

Client Sample ID: E3 FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	86.6		251	337.8		mg/Kg		100	90 - 110	1	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

GC VOA

Prep Batch: 73254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73254/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 73277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	5035	
890-6143-2	F3 FS	Total/NA	Solid	5035	
890-6143-3	E8 FS	Total/NA	Solid	5035	
890-6143-4	E10 FS	Total/NA	Solid	5035	
890-6143-5	E11 FS	Total/NA	Solid	5035	
890-6143-6	F4 FS	Total/NA	Solid	5035	
MB 880-73277/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73277/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73277/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6143-1 MS	E3 FS	Total/NA	Solid	5035	
890-6143-1 MSD	E3 FS	Total/NA	Solid	5035	

Analysis Batch: 73429

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	8021B	73277
890-6143-2	F3 FS	Total/NA	Solid	8021B	73277
890-6143-3	E8 FS	Total/NA	Solid	8021B	73277
890-6143-4	E10 FS	Total/NA	Solid	8021B	73277
890-6143-5	E11 FS	Total/NA	Solid	8021B	73277
890-6143-6	F4 FS	Total/NA	Solid	8021B	73277
MB 880-73254/5-A	Method Blank	Total/NA	Solid	8021B	73254
MB 880-73277/5-A	Method Blank	Total/NA	Solid	8021B	73277
LCS 880-73277/1-A	Lab Control Sample	Total/NA	Solid	8021B	73277
LCSD 880-73277/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73277
890-6143-1 MS	E3 FS	Total/NA	Solid	8021B	73277
890-6143-1 MSD	E3 FS	Total/NA	Solid	8021B	73277

Analysis Batch: 73677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	Total BTEX	
890-6143-2	F3 FS	Total/NA	Solid	Total BTEX	
890-6143-3	E8 FS	Total/NA	Solid	Total BTEX	
890-6143-4	E10 FS	Total/NA	Solid	Total BTEX	
890-6143-5	E11 FS	Total/NA	Solid	Total BTEX	
890-6143-6	F4 FS	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	8015NM Prep	
890-6143-2	F3 FS	Total/NA	Solid	8015NM Prep	
890-6143-3	E8 FS	Total/NA	Solid	8015NM Prep	
890-6143-4	E10 FS	Total/NA	Solid	8015NM Prep	
890-6143-5	E11 FS	Total/NA	Solid	8015NM Prep	
890-6143-6	F4 FS	Total/NA	Solid	8015NM Prep	
MB 880-72933/1-A	Method Blank	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

GC Semi VOA (Continued)

Prep Batch: 72933 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 880-72933/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72933/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39134-A-3-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39134-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	8015B NM	72933
890-6143-2	F3 FS	Total/NA	Solid	8015B NM	72933
890-6143-3	E8 FS	Total/NA	Solid	8015B NM	72933
890-6143-4	E10 FS	Total/NA	Solid	8015B NM	72933
890-6143-5	E11 FS	Total/NA	Solid	8015B NM	72933
890-6143-6	F4 FS	Total/NA	Solid	8015B NM	72933
MB 880-72933/1-A	Method Blank	Total/NA	Solid	8015B NM	72933
LCS 880-72933/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72933
LCSD 880-72933/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72933
880-39134-A-3-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72933
880-39134-A-3-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72933

Analysis Batch: 73558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Total/NA	Solid	8015 NM	
890-6143-2	F3 FS	Total/NA	Solid	8015 NM	
890-6143-3	E8 FS	Total/NA	Solid	8015 NM	
890-6143-4	E10 FS	Total/NA	Solid	8015 NM	
890-6143-5	E11 FS	Total/NA	Solid	8015 NM	
890-6143-6	F4 FS	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72850

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Soluble	Solid	DI Leach	
890-6143-2	F3 FS	Soluble	Solid	DI Leach	
890-6143-3	E8 FS	Soluble	Solid	DI Leach	
890-6143-4	E10 FS	Soluble	Solid	DI Leach	
890-6143-5	E11 FS	Soluble	Solid	DI Leach	
890-6143-6	F4 FS	Soluble	Solid	DI Leach	
MB 880-72850/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72850/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72850/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6143-1 MS	E3 FS	Soluble	Solid	DI Leach	
890-6143-1 MSD	E3 FS	Soluble	Solid	DI Leach	

Analysis Batch: 72906

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-1	E3 FS	Soluble	Solid	300.0	72850
890-6143-2	F3 FS	Soluble	Solid	300.0	72850
890-6143-3	E8 FS	Soluble	Solid	300.0	72850
890-6143-4	E10 FS	Soluble	Solid	300.0	72850
890-6143-5	E11 FS	Soluble	Solid	300.0	72850

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 72906 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6143-6	F4 FS	Soluble	Solid	300.0	72850
MB 880-72850/1-A	Method Blank	Soluble	Solid	300.0	72850
LCS 880-72850/2-A	Lab Control Sample	Soluble	Solid	300.0	72850
LCSD 880-72850/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72850
890-6143-1 MS	E3 FS	Soluble	Solid	300.0	72850
890-6143-1 MSD	E3 FS	Soluble	Solid	300.0	72850

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: E3 FS
Date Collected: 02/08/24 10:30
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 00:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 00:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			73558	02/17/24 00:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 00:04	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 13:51	CH	EET MID

Client Sample ID: F3 FS
Date Collected: 02/08/24 10:31
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 00:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 00:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			73558	02/17/24 00:48	SM	EET MID
Total/NA	Prep	8015NM Prep			9.93 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 00:48	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 14:05	CH	EET MID

Client Sample ID: E8 FS
Date Collected: 02/08/24 10:46
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-3
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			4.95 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 00:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 00:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			73558	02/17/24 01:11	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 01:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 14:10	CH	EET MID

Client Sample ID: E10 FS
Date Collected: 02/08/24 10:48
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-4
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			4.97 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 01:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 01:05	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Client Sample ID: E10 FS
Date Collected: 02/08/24 10:48
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-4
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			73558	02/17/24 01:33	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 01:33	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 14:15	CH	EET MID

Client Sample ID: E11 FS
Date Collected: 02/08/24 10:50
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-5
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			4.96 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 01:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 01:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			73558	02/17/24 01:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 01:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 14:19	CH	EET MID

Client Sample ID: F4 FS
Date Collected: 02/08/24 01:24
Date Received: 02/08/24 16:08

Lab Sample ID: 890-6143-6
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			5.04 g	5 mL	73277	02/15/24 15:04	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73429	02/20/24 01:46	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73677	02/20/24 01:46	SM	EET MID
Total/NA	Analysis	8015 NM		1			73558	02/17/24 02:18	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72933	02/12/24 14:48	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73312	02/17/24 02:18	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72850	02/12/24 10:30	SA	EET MID
Soluble	Analysis	300.0		1			72906	02/12/24 14:33	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6143-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6143-1	E3 FS	Solid	02/08/24 10:30	02/08/24 16:08
890-6143-2	F3 FS	Solid	02/08/24 10:31	02/08/24 16:08
890-6143-3	E8 FS	Solid	02/08/24 10:46	02/08/24 16:08
890-6143-4	E10 FS	Solid	02/08/24 10:48	02/08/24 16:08
890-6143-5	E11 FS	Solid	02/08/24 10:50	02/08/24 16:08
890-6143-6	F4 FS	Solid	02/08/24 01:24	02/08/24 16:08

Released to Imaging: 8/15/2024 3:54:37 PM
Received by OCD: 8/8/2024 8:33:35 AM

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0
Midland, TX (432) 704-5440, San Antonio, TX (210) 509
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-
Little Rock, AR (501) 224-5060

890-6143 Chain of Custody

Page 1 of 1

Project Manager:	Zac Guestier	Bill to: (if different)	Rob Kirk
Company Name:	Tetra Tech	Company Name:	Solaris
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	City, State ZIP:	
Phone:	575 302 5747	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:	Mobley to Trove	Turn Around	☒ Routine ☐ Rush
Project Number:	KH247007	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Bailey Miller		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	(Yes) No	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.0
Total Containers:		Corrected Temperature:	4.8

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; ~~HCL: HC~~; ~~HNO_3~~; 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: Chloride	BTEX (8021B)	TPH (8015)	Sample Comments
E3 FS	S	2/8	10:30	8'	C	1		X	X	X	
F3 FS	S	2/8	10:31	8'	C	1		X	X	X	
E8 FS	S	2/8	10:46	7'	C	1		X	X	X	
E10 FS	S	2/8	10:48	7'	C	1		X	X	X	
E11 FS	S	2/8	10:50	8'	C	1		X	X	X	
F4 FS	S	2/8	1:24	9'	C	1		X	X	X	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 BTMiller	Abraham	2/8 15:09			
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6143-1
SDG Number: KH247007

Login Number: 6143
List Number: 1
Creator: Lopez, Abraham

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6143-1
SDG Number: KH247007

Login Number: 6143
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/12/24 08:17 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 2/28/2024 1:59:08 PM

JOB DESCRIPTION

MOBLEY TO TROVE
KH247007

JOB NUMBER

890-6186-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 8/13/2024 3:34:57 PM

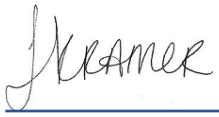
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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2/28/2024 1:59:08 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Laboratory Job ID: 890-6186-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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)

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists
Project: MOBLEY TO TROVE

Job ID: 890-6186-1

Job ID: 890-6186-1 Eurofins Carlsbad

Job Narrative
890-6186-1

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

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

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

Receipt
The samples were received on 2/14/2024 3:25 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.6°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: E 17 (890-6186-1), E 16 (890-6186-2), E 15 (890-6186-3), E 14 (890-6186-4), E 13 (890-6186-5), E 12 (890-6186-6), E 2 (890-6186-7), B 5 (890-6186-8), B 5- ESW (890-6186-9), B 5- SSW (890-6186-10), B 5 - WSW (890-6186-11), B 8 - FS (890-6186-12), C 8 - FS (890-6186-13), D 8 - FS (890-6186-14), D 7 - FS (890-6186-15), D 6 - FS (890-6186-16), B 7 - FS (890-6186-17), F 3 - SSW (890-6186-18), B 9 (890-6186-19), B 10 (890-6186-20), C 9 (890-6186-21), C 10 (890-6186-22), C 6 - FS (890-6186-23), C 3 (890-6186-24), D 3 (890-6186-25), D 4 (890-6186-26), D 5 (890-6186-27), D 9 (890-6186-28), D 10 (890-6186-29), D 11 (890-6186-30), D 12 (890-6186-31), D 13 (890-6186-32), D 14 (890-6186-33), D 16 (890-6186-34), D 17 (890-6186-35), D 18 (890-6186-36), D 19 (890-6186-37), G 17 (890-6186-38), G 1 (890-6186-39), G 4 - FS (890-6186-40), G 5 - FS (890-6186-41), G 12 (890-6186-42), G 13 (890-6186-43), G 14 (890-6186-44), F 12 (890-6186-45), F 13 (890-6186-46), F 14 (890-6186-47), E 7 - FS (890-6186-48), E 8 - NSW (890-6186-49), E 11 - NSW (890-6186-50), H 5 - FS (890-6186-51), H 6 - FS (890-6186-52), H 7 - FS (890-6186-53), H 8 - FS (890-6186-54), I 4 - FS (890-6186-55), I 5 - FS (890-6186-56), I 6 - FS (890-6186-57), I 7 - FS (890-6186-58), J 4 - FS (890-6186-59), J 7 - FS (890-6186-60), K 2 (890-6186-61) and K 4 - FS (890-6186-62).

One or more containers for the following samples were received empty: E 17 (890-6186-1), E 16 (890-6186-2), E 15 (890-6186-3), E 14 (890-6186-4), E 13 (890-6186-5), E 12 (890-6186-6), E 2 (890-6186-7), B 5 (890-6186-8), B 5- ESW (890-6186-9), B 5- SSW (890-6186-10), B 5 - WSW (890-6186-11), B 8 - FS (890-6186-12), C 8 - FS (890-6186-13), D 8 - FS (890-6186-14), D 7 - FS (890-6186-15), D 6 - FS (890-6186-16), B 7 - FS (890-6186-17), F 3 - SSW (890-6186-18), B 9 (890-6186-19), B 10 (890-6186-20), C 9 (890-6186-21), C 10 (890-6186-22), C 6 - FS (890-6186-23), C 3 (890-6186-24), D 3 (890-6186-25), D 4 (890-6186-26), D 5 (890-6186-27), D 9 (890-6186-28), D 10 (890-6186-29), D 11 (890-6186-30), D 12 (890-6186-31), D 13 (890-6186-32), D 14 (890-6186-33), D 16 (890-6186-34), D 17 (890-6186-35), D 18 (890-6186-36), D 19 (890-6186-37), G 17 (890-6186-38), G 1 (890-6186-39), G 4 - FS (890-6186-40), G 5 - FS (890-6186-41), G 12 (890-6186-42), G 13 (890-6186-43), G 14 (890-6186-44), F 12 (890-6186-45), F 13 (890-6186-46), F 14 (890-6186-47), E 7 - FS (890-6186-48), E 8 - NSW (890-6186-49), E 11 - NSW (890-6186-50), H 5 - FS (890-6186-51), H 6 - FS (890-6186-52), H 7 - FS (890-6186-53), H 8 - FS (890-6186-54), I 4 - FS (890-6186-55), I 5 - FS (890-6186-56), I 6 - FS (890-6186-57), I 7 - FS (890-6186-58), J 4 - FS (890-6186-59), J 7 - FS (890-6186-60), K 2 (890-6186-61) and K 4 - FS (890-6186-62).

GC VOA
Method 8021B: Surrogate recovery for the following sample was outside control limits: F 13 (890-6186-46). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-73793 and analytical batch 880-73825 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73793 and analytical batch 880-73825 was outside the control limits.

Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-73787 and analytical batch 880-73921 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6186-1
Project: MOBLEY TO TROVE

Job ID: 890-6186-1 (Continued) Eurofins Carlsbad

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-73787 and 880-73788 and analytical batch 880-73921 was outside the upper control limits.

Method 8021B: Surrogate recovery for the following samples were outside control limits: E 17 (890-6186-1), E 15 (890-6186-3), E 2 (890-6186-7), D 7 - FS (890-6186-15), D 6 - FS (890-6186-16), F 3 - SSW (890-6186-18), D 3 (890-6186-25), D 5 (890-6186-27), D 18 (890-6186-36), G 4 - FS (890-6186-40) and (890-6186-A-21-F MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C 3 (890-6186-24), D 16 (890-6186-34), D 19 (890-6186-37) and (890-6186-A-21-E MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCS 880-73793/1-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73439 and analytical batch 880-73600 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: K 2 (890-6186-61), K 4 - FS (890-6186-62) and (880-39505-A-2-B MS). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The method blank for preparation batch 880-73439 and analytical batch 880-73600 contained Gasoline Range Organics (GRO)-C6-C10 above the method detection limit. This target analyte concentration was less than the reporting limit (RL) in the method blank; therefore, re-extraction and/or re-analysis of samples was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73439 and analytical batch 880-73600 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73440 and 880-73441 and analytical batch 880-73704 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: E 14 (890-6186-4), E 12 (890-6186-6), E 2 (890-6186-7), B 8 - FS (890-6186-12), C 8 - FS (890-6186-13), D 8 - FS (890-6186-14), D 7 - FS (890-6186-15), F 3 - SSW (890-6186-18), D 12 (890-6186-31), D 14 (890-6186-33), D 16 (890-6186-34), G 17 (890-6186-38), G 4 - FS (890-6186-40) and (890-6186-A-21-C MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-73441/2-A). Evidence of matrix interferences is not obvious.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-73440 and analytical batch 880-73704 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-73441 and analytical batch 880-73704 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision was within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73442 and analytical batch 880-73706 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: G 5 - FS (890-6186-41), G 13 (890-6186-43), G 14 (890-6186-44), E 8 - NSW (890-6186-49), H 5 - FS (890-6186-51), H 6 - FS (890-6186-52), H 7 - FS (890-6186-53), I 4 - FS (890-6186-55), I 5 - FS (890-6186-56), I 6 - FS (890-6186-57), I 7 - FS (890-6186-58), J 4 - FS

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6186-1
Project: MOBLEY TO TROVE

Job ID: 890-6186-1 (Continued) Eurofins Carlsbad

(890-6186-59) and J 7 - FS (890-6186-60). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-73442 and analytical batch 880-73706 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-73922 and analytical batch 880-74120 was outside the upper control limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: E 13 (890-6186-5), B 5 (890-6186-8), F 12 (890-6186-45), F 13 (890-6186-46), F 14 (890-6186-47), E 7 - FS (890-6186-48), E 11 - NSW (890-6186-50) and H 8 - FS (890-6186-54). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Batch preparation batch 880-73922 and analytical batch 880-74120 is reported without a matrix spike/matrix spike duplicate (MS/MSD). The batch MS/MSD was originally performed on another client's sample, and this test was canceled at client request. This MS/MSD result does not have immediate bearing on any samples except for the actual sample spiked. The associated laboratory control sample (LCS) met acceptance criteria and provides long-term precision and accuracy for this batch.

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

HPLC/IC

Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-73325 and analytical batch 880-73453 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.

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 17

Lab Sample ID: 890-6186-1
Matrix: Solid
Date Collected: 02/14/24 08:32
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/23/24 22:21	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		02/21/24 12:48	02/23/24 22:21	1
Toluene	**0.00218**	**F1**	0.00199		mg/Kg		02/21/24 12:48	02/23/24 22:21	1
Xylenes, Total	<0.00398	U F1	0.00398		mg/Kg		02/21/24 12:48	02/23/24 22:21	1
m-Xylene & p-Xylene	<0.00398	U F1	0.00398		mg/Kg		02/21/24 12:48	02/23/24 22:21	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/21/24 12:48	02/23/24 22:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*134*	*S1+*	*70 - 130*	*02/21/24 12:48*	*02/23/24 22:21*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/21/24 12:48*	*02/23/24 22:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/23/24 22:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/24 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	49.8		mg/Kg		02/19/24 09:10	02/21/24 10:28	1
Diesel Range Organics (Over C10-C28)	<49.8	U F2	49.8		mg/Kg		02/19/24 09:10	02/21/24 10:28	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/19/24 09:10	02/21/24 10:28	1
Total TPH	<49.8	U F2	49.8		mg/Kg		02/19/24 09:10	02/21/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*129*		*70 - 130*	*02/19/24 09:10*	*02/21/24 10:28*	*1*
o-Terphenyl	*108*		*70 - 130*	*02/19/24 09:10*	*02/21/24 10:28*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**272**		5.02		mg/Kg			02/19/24 17:55	1

Client Sample ID: E 16

Lab Sample ID: 890-6186-2
Matrix: Solid
Date Collected: 02/14/24 08:34
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/23/24 22:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/23/24 22:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/23/24 22:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/23/24 22:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/23/24 22:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/23/24 22:48	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 16

Lab Sample ID: 890-6186-2
Matrix: Solid
Date Collected: 02/14/24 08:34
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	108		70 - 130	02/21/24 12:48	02/23/24 22:48	1
1,4-Difluorobenzene (Surr)	111		70 - 130	02/21/24 12:48	02/23/24 22:48	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/23/24 22:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 11:38	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 11:38	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 11:38	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	95		70 - 130	02/19/24 09:10	02/21/24 11:38	1
o-Terphenyl	80		70 - 130	02/19/24 09:10	02/21/24 11:38	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		5.04		mg/Kg			02/19/24 18:09	1

Client Sample ID: E 15

Lab Sample ID: 890-6186-3
Matrix: Solid
Date Collected: 02/14/24 08:36
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/23/24 23:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/23/24 23:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/23/24 23:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 12:48	02/23/24 23:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 12:48	02/23/24 23:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/23/24 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	02/21/24 12:48	02/23/24 23:15	1
1,4-Difluorobenzene (Surr)	136	S1+	70 - 130	02/21/24 12:48	02/23/24 23:15	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/23/24 23:15	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 15

Lab Sample ID: 890-6186-3
Matrix: Solid
Date Collected: 02/14/24 08:36
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 12:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 12:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 12:02	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/19/24 09:10*	*02/21/24 12:02*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/19/24 09:10*	*02/21/24 12:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**294**		4.99		mg/Kg			02/19/24 18:14	1

Client Sample ID: E 14

Lab Sample ID: 890-6186-4
Matrix: Solid
Date Collected: 02/14/24 08:38
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/23/24 23:42	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/23/24 23:42	1
Toluene	**0.00234**		0.00199		mg/Kg		02/21/24 12:48	02/23/24 23:42	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/23/24 23:42	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/23/24 23:42	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/23/24 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/21/24 12:48*	*02/23/24 23:42*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*02/21/24 12:48*	*02/23/24 23:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/23/24 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/24 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 12:26	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 12:26	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 14

Lab Sample ID: 890-6186-4
Matrix: Solid
Date Collected: 02/14/24 08:38
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*77*		*70 - 130*	*02/19/24 09:10*	*02/21/24 12:26*	*1*
o-Terphenyl	*62*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**88.4**		5.01		mg/Kg			02/19/24 18:18	1

Client Sample ID: E 13

Lab Sample ID: 890-6186-5
Matrix: Solid
Date Collected: 02/14/24 08:40
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 00:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 00:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 00:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 00:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 00:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*02/21/24 12:48*	*02/24/24 00:09*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/21/24 12:48*	*02/24/24 00:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 00:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/27/24 22:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/23/24 11:52	02/27/24 22:55	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/23/24 11:52	02/27/24 22:55	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/23/24 11:52	02/27/24 22:55	1
Total TPH	<50.4	U	50.4		mg/Kg		02/23/24 11:52	02/27/24 22:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*141*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/27/24 22:55*	*1*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/27/24 22:55*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 13

Lab Sample ID: 890-6186-5
Matrix: Solid
Date Collected: 02/14/24 08:40
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	139		4.98		mg/Kg			02/19/24 18:23	1

Client Sample ID: E 12

Lab Sample ID: 890-6186-6
Matrix: Solid
Date Collected: 02/14/24 08:42
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 00:36	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 00:36	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 00:36	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 00:36	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 00:36	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/21/24 12:48*	*02/24/24 00:36*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*02/21/24 12:48*	*02/24/24 00:36*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/21/24 13:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 13:15	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 13:15	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 13:15	1
Total TPH	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*32*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 13:15*	*1*
o-Terphenyl	*18*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 13:15*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	235		5.03		mg/Kg			02/19/24 15:41	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 2

Lab Sample ID: 890-6186-7
Matrix: Solid
Date Collected: 02/14/24 08:46
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 01:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 01:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 01:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 01:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 01:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 01:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*30*	*S1-*	*70 - 130*	*02/21/24 12:48*	*02/24/24 01:02*	*1*
1,4-Difluorobenzene (Surr)	*90*		*70 - 130*	*02/21/24 12:48*	*02/24/24 01:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 13:40	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 13:40	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 13:40	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*48*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 13:40*	*1*
o-Terphenyl	*30*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**584**		5.05		mg/Kg			02/19/24 16:01	1

Client Sample ID: B 5

Lab Sample ID: 890-6186-8
Matrix: Solid
Date Collected: 02/14/24 08:50
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 01:29	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 01:29	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 01:29	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/21/24 12:48	02/24/24 01:29	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/21/24 12:48	02/24/24 01:29	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 01:29	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 5

Lab Sample ID: 890-6186-8
Matrix: Solid
Date Collected: 02/14/24 08:50
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	02/21/24 12:48	02/24/24 01:29	1
1,4-Difluorobenzene (Surr)	107		70 - 130	02/21/24 12:48	02/24/24 01:29	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/24 01:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/27/24 23:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/23/24 11:52	02/27/24 23:17	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/23/24 11:52	02/27/24 23:17	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/23/24 11:52	02/27/24 23:17	1
Total TPH	<50.3	U	50.3		mg/Kg		02/23/24 11:52	02/27/24 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	130		70 - 130	02/23/24 11:52	02/27/24 23:17	1
o-Terphenyl	151	S1+	70 - 130	02/23/24 11:52	02/27/24 23:17	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	654		4.98		mg/Kg			02/19/24 16:08	1

Client Sample ID: B 5- ESW

Lab Sample ID: 890-6186-9
Matrix: Solid
Date Collected: 02/14/24 08:54
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 01:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 01:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 01:56	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 01:56	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 01:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 01:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	02/21/24 12:48	02/24/24 01:56	1
1,4-Difluorobenzene (Surr)	117		70 - 130	02/21/24 12:48	02/24/24 01:56	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 01:56	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 5- ESW

Lab Sample ID: 890-6186-9
Matrix: Solid
Date Collected: 02/14/24 08:54
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/24 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 14:29	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 14:29	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 14:29	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:10	02/21/24 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*87*		*70 - 130*	*02/19/24 09:10*	*02/21/24 14:29*	*1*
o-Terphenyl	*70*		*70 - 130*	*02/19/24 09:10*	*02/21/24 14:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**534**		4.99		mg/Kg			02/19/24 16:14	1

Client Sample ID: B 5- SSW

Lab Sample ID: 890-6186-10
Matrix: Solid
Date Collected: 02/14/24 08:56
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 02:22	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 02:22	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 02:22	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 02:22	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 02:22	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 02:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/21/24 12:48*	*02/24/24 02:22*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/21/24 12:48*	*02/24/24 02:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 02:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/24 14:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 14:54	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 14:54	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 14:54	1

Eurofins Carlsbad

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 5- SSW

Lab Sample ID: 890-6186-10
Matrix: Solid
Date Collected: 02/14/24 08:56
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/19/24 09:10*	*02/21/24 14:54*	*1*
o-Terphenyl	*85*		*70 - 130*	*02/19/24 09:10*	*02/21/24 14:54*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**630**		4.97		mg/Kg			02/19/24 16:21	1

Client Sample ID: B 5 - WSW

Lab Sample ID: 890-6186-11
Matrix: Solid
Date Collected: 02/14/24 08:58
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 04:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 04:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 04:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 12:48	02/24/24 04:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 12:48	02/24/24 04:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 04:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/21/24 12:48*	*02/24/24 04:08*	*1*
1,4-Difluorobenzene (Surr)	*122*		*70 - 130*	*02/21/24 12:48*	*02/24/24 04:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/24/24 04:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/21/24 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/19/24 09:10	02/21/24 15:43	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/19/24 09:10	02/21/24 15:43	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/19/24 09:10	02/21/24 15:43	1
Total TPH	<50.1	U	50.1		mg/Kg		02/19/24 09:10	02/21/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/19/24 09:10*	*02/21/24 15:43*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/19/24 09:10*	*02/21/24 15:43*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 5 - WSW

Lab Sample ID: 890-6186-11
Matrix: Solid
Date Collected: 02/14/24 08:58
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	390		5.02		mg/Kg			02/19/24 16:41	1

Client Sample ID: B 8 - FS

Lab Sample ID: 890-6186-12
Matrix: Solid
Date Collected: 02/14/24 09:00
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 04:35	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 04:35	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 04:35	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 04:35	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 04:35	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*	*02/21/24 12:48*	*02/24/24 04:35*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/21/24 12:48*	*02/24/24 04:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 04:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/21/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 16:09	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 16:09	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 16:09	1
Total TPH	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/19/24 09:10*	*02/21/24 16:09*	*1*
o-Terphenyl	*55*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 16:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	87.6		5.01		mg/Kg			02/19/24 16:48	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 8 - FS

Lab Sample ID: 890-6186-13
Matrix: Solid
Date Collected: 02/14/24 09:02
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:02	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:02	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:02	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 05:02	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 05:02	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 12:48*	*02/24/24 05:02*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 12:48*	*02/24/24 05:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/21/24 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/19/24 09:10	02/21/24 16:34	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/19/24 09:10	02/21/24 16:34	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/19/24 09:10	02/21/24 16:34	1
Total TPH	<50.3	U	50.3		mg/Kg		02/19/24 09:10	02/21/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*23*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 16:34*	*1*
o-Terphenyl	*8*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 16:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**117**		5.00		mg/Kg			02/19/24 16:55	1

Client Sample ID: D 8 - FS

Lab Sample ID: 890-6186-14
Matrix: Solid
Date Collected: 02/14/24 09:04
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 05:28	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 05:28	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 05:28	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 12:48	02/24/24 05:28	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 12:48	02/24/24 05:28	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 12:48	02/24/24 05:28	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 8 - FS

Date Collected: 02/14/24 09:04
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-14

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*	*02/21/24 12:48*	*02/24/24 05:28*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*02/21/24 12:48*	*02/24/24 05:28*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 05:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 16:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 16:59	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 16:59	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 16:59	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*39*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 16:59*	*1*
o-Terphenyl	*25*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 16:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**127**		4.96		mg/Kg			02/19/24 17:02	1

Client Sample ID: D 7 - FS

Date Collected: 02/14/24 09:06
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-15

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:55	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:55	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:55	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 05:55	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 05:55	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*189*	*S1+*	*70 - 130*	*02/21/24 12:48*	*02/24/24 05:55*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/21/24 12:48*	*02/24/24 05:55*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 05:55	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 7 - FS

Date Collected: 02/14/24 09:06
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-15
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/21/24 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:24	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:24	1
Total TPH	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*69*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 17:24*	*1*
o-Terphenyl	*55*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 17:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**155**		5.01		mg/Kg			02/19/24 17:08	1

Client Sample ID: D 6 - FS

Date Collected: 02/14/24 09:08
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-16
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 06:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 06:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 06:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 06:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 12:48	02/24/24 06:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 12:48	02/24/24 06:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*139*	*S1+*	*70 - 130*	*02/21/24 12:48*	*02/24/24 06:22*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 12:48*	*02/24/24 06:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 06:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/21/24 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:49	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:49	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:49	1

Eurofins Carlsbad

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 6 - FS

Lab Sample ID: 890-6186-16
Matrix: Solid
Date Collected: 02/14/24 09:08
Date Received: 02/14/24 15:25
Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg		02/19/24 09:10	02/21/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*89*		*70 - 130*	*02/19/24 09:10*	*02/21/24 17:49*	*1*
o-Terphenyl	*72*		*70 - 130*	*02/19/24 09:10*	*02/21/24 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**154**		4.97		mg/Kg			02/19/24 17:15	1

Client Sample ID: B 7 - FS

Lab Sample ID: 890-6186-17
Matrix: Solid
Date Collected: 02/14/24 09:10
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 06:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 06:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 06:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 06:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 06:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 06:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*126*		*70 - 130*	*02/21/24 12:48*	*02/24/24 06:49*	*1*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*	*02/21/24 12:48*	*02/24/24 06:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 06:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 18:14	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 18:14	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 18:14	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:10	02/21/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/19/24 09:10*	*02/21/24 18:14*	*1*
o-Terphenyl	*86*		*70 - 130*	*02/19/24 09:10*	*02/21/24 18:14*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 7 - FS

Lab Sample ID: 890-6186-17
Matrix: Solid
Date Collected: 02/14/24 09:10
Date Received: 02/14/24 15:25
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	146		4.95		mg/Kg			02/19/24 17:35	1

Client Sample ID: F 3 - SSW

Lab Sample ID: 890-6186-18
Matrix: Solid
Date Collected: 02/14/24 09:13
Date Received: 02/14/24 15:25
Sample Depth: 0 - 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 07:15	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 07:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 07:15	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 07:15	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 12:48	02/24/24 07:15	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 12:48	02/24/24 07:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 12:48*	*02/24/24 07:15*	*1*
1,4-Difluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/21/24 12:48*	*02/24/24 07:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 07:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/21/24 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/19/24 09:10	02/21/24 18:38	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/19/24 09:10	02/21/24 18:38	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/19/24 09:10	02/21/24 18:38	1
Total TPH	<50.2	U	50.2		mg/Kg		02/19/24 09:10	02/21/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*71*		*70 - 130*	*02/19/24 09:10*	*02/21/24 18:38*	*1*
o-Terphenyl	*55*	*S1-*	*70 - 130*	*02/19/24 09:10*	*02/21/24 18:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	67.5		5.05		mg/Kg			02/19/24 17:42	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 9

Lab Sample ID: 890-6186-19
Matrix: Solid
Date Collected: 02/14/24 09:20
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 07:42	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 07:42	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 07:42	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 07:42	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 12:48	02/24/24 07:42	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 12:48	02/24/24 07:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/21/24 12:48*	*02/24/24 07:42*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 12:48*	*02/24/24 07:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 07:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/21/24 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 19:02	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 19:02	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 19:02	1
Total TPH	<50.4	U	50.4		mg/Kg		02/19/24 09:10	02/21/24 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/19/24 09:10*	*02/21/24 19:02*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/19/24 09:10*	*02/21/24 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**171**		5.03		mg/Kg			02/19/24 18:02	1

Client Sample ID: B 10

Lab Sample ID: 890-6186-20
Matrix: Solid
Date Collected: 02/14/24 09:22
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 08:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 08:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 08:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 08:09	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 12:48	02/24/24 08:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/24/24 08:09	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 10

Lab Sample ID: 890-6186-20
Matrix: Solid
Date Collected: 02/14/24 09:22
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/21/24 12:48*	*02/24/24 08:09*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/21/24 12:48*	*02/24/24 08:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 08:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 19:26	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 19:26	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 19:26	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:10	02/21/24 19:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*108*		*70 - 130*	*02/19/24 09:10*	*02/21/24 19:26*	*1*
o-Terphenyl	*88*		*70 - 130*	*02/19/24 09:10*	*02/21/24 19:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.04		mg/Kg			02/19/24 18:09	1

Client Sample ID: C 9

Lab Sample ID: 890-6186-21
Matrix: Solid
Date Collected: 02/14/24 09:24
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U F1	0.00199		mg/Kg		02/21/24 13:00	02/24/24 12:11	1
Ethylbenzene	<0.00199	U F1 F2	0.00199		mg/Kg		02/21/24 13:00	02/24/24 12:11	1
Toluene	<0.00199	U F1 F2	0.00199		mg/Kg		02/21/24 13:00	02/24/24 12:11	1
Xylenes, Total	<0.00398	U F1 F2	0.00398		mg/Kg		02/21/24 13:00	02/24/24 12:11	1
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.00398		mg/Kg		02/21/24 13:00	02/24/24 12:11	1
o-Xylene	<0.00199	U F1	0.00199		mg/Kg		02/21/24 13:00	02/24/24 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:00*	*02/24/24 12:11*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/21/24 13:00*	*02/24/24 12:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 12:11	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 9

Lab Sample ID: 890-6186-21
Matrix: Solid
Date Collected: 02/14/24 09:24
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/21/24 21:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F2	49.6		mg/Kg		02/19/24 09:13	02/21/24 21:26	1
Diesel Range Organics (Over C10-C28)	<49.6	U F1 F2	49.6		mg/Kg		02/19/24 09:13	02/21/24 21:26	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/19/24 09:13	02/21/24 21:26	1
Total TPH	<49.6	U F2	49.6		mg/Kg		02/19/24 09:13	02/21/24 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*97*		*70 - 130*	*02/19/24 09:13*	*02/21/24 21:26*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/19/24 09:13*	*02/21/24 21:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**116**		5.04		mg/Kg			02/19/24 18:16	1

Client Sample ID: C 10

Lab Sample ID: 890-6186-22
Matrix: Solid
Date Collected: 02/14/24 09:26
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 12:38	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 12:38	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 12:38	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 12:38	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 12:38	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 12:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*02/21/24 13:00*	*02/24/24 12:38*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/21/24 13:00*	*02/24/24 12:38*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 12:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 22:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/21/24 22:38	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/21/24 22:38	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/21/24 22:38	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 10

Lab Sample ID: 890-6186-22
Matrix: Solid
Date Collected: 02/14/24 09:26
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/21/24 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*103*		*70 - 130*	*02/19/24 09:13*	*02/21/24 22:38*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/19/24 09:13*	*02/21/24 22:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**132**		5.01		mg/Kg			02/19/24 18:22	1

Client Sample ID: C 6 - FS

Lab Sample ID: 890-6186-23
Matrix: Solid
Date Collected: 02/14/24 09:28
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 13:04	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 13:04	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 13:04	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 13:00	02/24/24 13:04	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 13:00	02/24/24 13:04	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 130*	*02/21/24 13:00*	*02/24/24 13:04*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/21/24 13:00*	*02/24/24 13:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 13:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/24 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/21/24 23:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/21/24 23:02	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/21/24 23:02	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/21/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:02*	*1*
o-Terphenyl	*90*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:02*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 6 - FS

Lab Sample ID: 890-6186-23
Matrix: Solid
Date Collected: 02/14/24 09:28
Date Received: 02/14/24 15:25
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		4.99		mg/Kg			02/19/24 18:29	1

Client Sample ID: C 3

Lab Sample ID: 890-6186-24
Matrix: Solid
Date Collected: 02/14/24 09:30
Date Received: 02/14/24 15:25
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 13:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 13:31	1
Toluene	0.00217		0.00199		mg/Kg		02/21/24 13:00	02/24/24 13:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 13:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 13:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 13:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 13:31*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/21/24 13:00*	*02/24/24 13:31*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 13:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/24 23:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 23:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 23:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 23:25	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*108*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:25*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:25*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	141		5.00		mg/Kg			02/19/24 18:36	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 3

Lab Sample ID: 890-6186-25
Matrix: Solid
Date Collected: 02/14/24 09:40
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 13:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 13:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 13:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 13:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 13:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*168*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 13:58*	*1*
1,4-Difluorobenzene (Surr)	*119*		*70 - 130*	*02/21/24 13:00*	*02/24/24 13:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 13:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/24 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/19/24 09:13	02/21/24 23:49	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/19/24 09:13	02/21/24 23:49	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/19/24 09:13	02/21/24 23:49	1
Total TPH	<49.8	U	49.8		mg/Kg		02/19/24 09:13	02/21/24 23:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:49*	*1*
o-Terphenyl	*82*		*70 - 130*	*02/19/24 09:13*	*02/21/24 23:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**192**		4.96		mg/Kg			02/19/24 18:43	1

Client Sample ID: D 4

Lab Sample ID: 890-6186-26
Matrix: Solid
Date Collected: 02/14/24 09:42
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 14:25	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 14:25	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 14:25	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 14:25	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 14:25	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 14:25	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 4

Lab Sample ID: 890-6186-26
Matrix: Solid
Date Collected: 02/14/24 09:42
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 13:00*	*02/24/24 14:25*	*1*
1,4-Difluorobenzene (Surr)	*128*		*70 - 130*	*02/21/24 13:00*	*02/24/24 14:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 14:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/22/24 00:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/19/24 09:13	02/22/24 00:13	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/19/24 09:13	02/22/24 00:13	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/19/24 09:13	02/22/24 00:13	1
Total TPH	<49.6	U	49.6		mg/Kg		02/19/24 09:13	02/22/24 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*109*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:13*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		5.01		mg/Kg			02/19/24 19:37	1

Client Sample ID: D 5

Lab Sample ID: 890-6186-27
Matrix: Solid
Date Collected: 02/14/24 09:44
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 14:52	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 14:52	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 14:52	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 14:52	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 14:52	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*150*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 14:52*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*02/21/24 13:00*	*02/24/24 14:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 14:52	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 5

Date Collected: 02/14/24 09:44
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-27
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/22/24 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 00:36	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 00:36	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 00:36	1
Total TPH	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 00:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*90*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:36*	*1*
o-Terphenyl	*75*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**233**		5.03		mg/Kg			02/19/24 19:57	1

Client Sample ID: D 9

Date Collected: 02/14/24 09:46
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-28
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 15:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 15:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 15:18	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/21/24 13:00	02/24/24 15:18	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/21/24 13:00	02/24/24 15:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 15:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/21/24 13:00*	*02/24/24 15:18*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 13:00*	*02/24/24 15:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/24 15:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/22/24 00:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 00:59	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 00:59	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 00:59	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 9

Lab Sample ID: 890-6186-28
Matrix: Solid
Date Collected: 02/14/24 09:46
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*113*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:59*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/19/24 09:13*	*02/22/24 00:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**249**		4.99		mg/Kg			02/19/24 20:04	1

Client Sample ID: D 10

Lab Sample ID: 890-6186-29
Matrix: Solid
Date Collected: 02/14/24 09:48
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 15:45	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 15:45	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 15:45	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 15:45	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 15:45	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 15:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*122*		*70 - 130*	*02/21/24 13:00*	*02/24/24 15:45*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/21/24 13:00*	*02/24/24 15:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 15:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/22/24 01:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 01:23	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 01:23	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 01:23	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/19/24 09:13*	*02/22/24 01:23*	*1*
o-Terphenyl	*83*		*70 - 130*	*02/19/24 09:13*	*02/22/24 01:23*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 10

Lab Sample ID: 890-6186-29
Matrix: Solid
Date Collected: 02/14/24 09:48
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	196		4.99		mg/Kg			02/19/24 20:10	1

Client Sample ID: D 12

Lab Sample ID: 890-6186-31
Matrix: Solid
Date Collected: 02/14/24 09:52
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 16:12	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 16:12	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 16:12	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 16:12	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 16:12	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*	*02/21/24 13:00*	*02/24/24 16:12*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/21/24 13:00*	*02/24/24 16:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 16:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/24 01:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 01:46	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 01:46	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 01:46	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 01:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*02/19/24 09:13*	*02/22/24 01:46*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/19/24 09:13*	*02/22/24 01:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	279		4.99		mg/Kg			02/19/24 20:17	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 13

Date Collected: 02/14/24 09:54
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-32
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 18:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 18:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 18:00	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 13:00	02/24/24 18:00	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 13:00	02/24/24 18:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 18:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/21/24 13:00*	*02/24/24 18:00*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/21/24 13:00*	*02/24/24 18:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/24/24 18:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/22/24 02:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 02:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 02:32	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 02:32	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 02:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*110*		*70 - 130*	*02/19/24 09:13*	*02/22/24 02:32*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/19/24 09:13*	*02/22/24 02:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**252**		5.01		mg/Kg			02/19/24 20:37	1

Client Sample ID: D 14

Date Collected: 02/14/24 09:56
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-33
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 18:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 18:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 18:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 18:27	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 18:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 18:27	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 14

Date Collected: 02/14/24 09:56
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-33

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/21/24 13:00*	*02/24/24 18:27*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:00*	*02/24/24 18:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/24 02:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 02:55	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 02:55	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 02:55	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 02:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*02/19/24 09:13*	*02/22/24 02:55*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/19/24 09:13*	*02/22/24 02:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**103**		5.03		mg/Kg			02/19/24 20:44	1

Client Sample ID: D 16

Date Collected: 02/14/24 09:58
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-34

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 18:54	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 18:54	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 18:54	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 18:54	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 18:54	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*	*02/21/24 13:00*	*02/24/24 18:54*	*1*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 18:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 18:54	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 16

Date Collected: 02/14/24 09:58
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-34
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/22/24 03:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:18	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:18	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:18	1
Total TPH	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*139*	*S1+*	*70 - 130*	*02/19/24 09:13*	*02/22/24 03:18*	*1*
o-Terphenyl	*117*		*70 - 130*	*02/19/24 09:13*	*02/22/24 03:18*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**314**		5.05		mg/Kg			02/19/24 20:51	1

Client Sample ID: D 17

Date Collected: 02/14/24 10:00
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-35
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 19:21	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 19:21	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 19:21	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 13:00	02/24/24 19:21	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 13:00	02/24/24 19:21	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:00	02/24/24 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 13:00*	*02/24/24 19:21*	*1*
1,4-Difluorobenzene (Surr)	*125*		*70 - 130*	*02/21/24 13:00*	*02/24/24 19:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 19:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/22/24 03:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:42	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:42	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:42	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 17

Lab Sample ID: 890-6186-35
Matrix: Solid
Date Collected: 02/14/24 10:00
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg		02/19/24 09:13	02/22/24 03:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*111*		*70 - 130*	*02/19/24 09:13*	*02/22/24 03:42*	*1*
o-Terphenyl	*92*		*70 - 130*	*02/19/24 09:13*	*02/22/24 03:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**104**		5.00		mg/Kg			02/19/24 20:58	1

Client Sample ID: D 18

Lab Sample ID: 890-6186-36
Matrix: Solid
Date Collected: 02/14/24 10:02
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 19:48	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 19:48	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 19:48	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 19:48	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 19:48	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 19:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*152*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 19:48*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/21/24 13:00*	*02/24/24 19:48*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 19:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/22/24 04:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 04:04	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 04:04	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 04:04	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:13	02/22/24 04:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*02/19/24 09:13*	*02/22/24 04:04*	*1*
o-Terphenyl	*81*		*70 - 130*	*02/19/24 09:13*	*02/22/24 04:04*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 18

Lab Sample ID: 890-6186-36
Matrix: Solid
Date Collected: 02/14/24 10:02
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	432		5.00		mg/Kg			02/19/24 21:04	1

Client Sample ID: D 19

Lab Sample ID: 890-6186-37
Matrix: Solid
Date Collected: 02/14/24 10:04
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 20:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 20:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 20:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 20:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:00	02/24/24 20:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:00	02/24/24 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/21/24 13:00*	*02/24/24 20:14*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/21/24 13:00*	*02/24/24 20:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/22/24 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 04:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 04:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 04:27	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/22/24 04:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*02/19/24 09:13*	*02/22/24 04:27*	*1*
o-Terphenyl	*103*		*70 - 130*	*02/19/24 09:13*	*02/22/24 04:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	456	F1	5.02		mg/Kg			02/19/24 21:11	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 17

Date Collected: 02/14/24 10:10
Date Received: 02/14/24 15:25
Sample Depth: 1.5'

Lab Sample ID: 890-6186-38

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 20:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 20:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 20:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 20:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 20:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/21/24 13:00*	*02/24/24 20:41*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/21/24 13:00*	*02/24/24 20:41*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 20:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/22/24 04:50	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 04:50	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 04:50	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 04:50	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:13	02/22/24 04:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*144*	*S1+*	*70 - 130*	*02/19/24 09:13*	*02/22/24 04:50*	*1*
o-Terphenyl	*122*		*70 - 130*	*02/19/24 09:13*	*02/22/24 04:50*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**185**		4.99		mg/Kg			02/19/24 21:31	1

Client Sample ID: G 1

Date Collected: 02/14/24 10:20
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-39

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 21:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 21:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 21:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 21:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:00	02/24/24 21:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:00	02/24/24 21:08	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 1

Lab Sample ID: 890-6186-39
Matrix: Solid
Date Collected: 02/14/24 10:20
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*121*		*70 - 130*	*02/21/24 13:00*	*02/24/24 21:08*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:00*	*02/24/24 21:08*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 21:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/22/24 05:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 05:13	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 05:13	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 05:13	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:13	02/22/24 05:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*103*		*70 - 130*	*02/19/24 09:13*	*02/22/24 05:13*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/19/24 09:13*	*02/22/24 05:13*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**151**		5.01		mg/Kg			02/19/24 21:38	1

Client Sample ID: G 4 - FS

Lab Sample ID: 890-6186-40
Matrix: Solid
Date Collected: 02/14/24 10:24
Date Received: 02/14/24 15:25
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 21:35	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 21:35	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 21:35	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 21:35	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:00	02/24/24 21:35	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:00	02/24/24 21:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*129*		*70 - 130*	*02/21/24 13:00*	*02/24/24 21:35*	*1*
1,4-Difluorobenzene (Surr)	*47*	*S1-*	*70 - 130*	*02/21/24 13:00*	*02/24/24 21:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 21:35	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 4 - FS

Date Collected: 02/14/24 10:24
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-40

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/22/24 05:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 05:36	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 05:36	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 05:36	1
Total TPH	<50.2	U	50.2		mg/Kg		02/19/24 09:13	02/22/24 05:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*138*	*S1+*	*70 - 130*	*02/19/24 09:13*	*02/22/24 05:36*	*1*
o-Terphenyl	*118*		*70 - 130*	*02/19/24 09:13*	*02/22/24 05:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**162**		5.03		mg/Kg			02/19/24 21:58	1

Client Sample ID: G 5 - FS

Date Collected: 02/14/24 10:26
Date Received: 02/14/24 15:25
Sample Depth: 2'

Lab Sample ID: 890-6186-41

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 22:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 22:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 22:01	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 22:01	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:00	02/24/24 22:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/21/24 13:00*	*02/24/24 22:01*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/21/24 13:00*	*02/24/24 22:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 22:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 11:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 11:38	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 11:38	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 11:38	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 5 - FS

Lab Sample ID: 890-6186-41
Matrix: Solid
Date Collected: 02/14/24 10:26
Date Received: 02/14/24 15:25
Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 11:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*36*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 11:38*	*1*
o-Terphenyl	*27*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 11:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**158**		4.97		mg/Kg			02/19/24 22:05	1

Client Sample ID: G 12

Lab Sample ID: 890-6186-42
Matrix: Solid
Date Collected: 02/14/24 10:28
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 01:19	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 01:19	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 01:19	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 01:19	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 01:19	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 01:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*	*02/21/24 13:08*	*02/24/24 01:19*	*1*
1,4-Difluorobenzene (Surr)	*94*		*70 - 130*	*02/21/24 13:08*	*02/24/24 01:19*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 01:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 10:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 10:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U F1	49.9		mg/Kg		02/19/24 09:19	02/21/24 10:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 10:28	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/19/24 09:19*	*02/21/24 10:28*	*1*
o-Terphenyl	*112*		*70 - 130*	*02/19/24 09:19*	*02/21/24 10:28*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 12

Date Collected: 02/14/24 10:28
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-42
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	75.8		4.96		mg/Kg			02/19/24 22:12	1

Client Sample ID: G 13

Date Collected: 02/14/24 10:30
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-43
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 01:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 01:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 01:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 01:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 01:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 01:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/21/24 13:08*	*02/24/24 01:40*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*02/21/24 13:08*	*02/24/24 01:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 12:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 12:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 12:02	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*29*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 12:02*	*1*
o-Terphenyl	*24*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 12:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	159		4.99		mg/Kg			02/19/24 22:19	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 14

Lab Sample ID: 890-6186-44
Matrix: Solid
Date Collected: 02/14/24 10:32
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 02:01	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 02:01	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 02:01	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 13:08	02/24/24 02:01	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 13:08	02/24/24 02:01	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 02:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/21/24 13:08*	*02/24/24 02:01*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/21/24 13:08*	*02/24/24 02:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 02:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/24 12:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 12:26	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 12:26	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 12:26	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*60*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 12:26*	*1*
o-Terphenyl	*59*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 12:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**284**		5.04		mg/Kg			02/19/24 22:25	1

Client Sample ID: F 12

Lab Sample ID: 890-6186-45
Matrix: Solid
Date Collected: 02/14/24 10:34
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 02:22	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 02:22	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 02:22	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 02:22	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 02:22	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 02:22	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: F 12

Lab Sample ID: 890-6186-45
Matrix: Solid
Date Collected: 02/14/24 10:34
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		70 - 130	02/21/24 13:08	02/24/24 02:22	1
1,4-Difluorobenzene (Surr)	109		70 - 130	02/21/24 13:08	02/24/24 02:22	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 02:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/27/24 23:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/23/24 11:52	02/27/24 23:39	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/23/24 11:52	02/27/24 23:39	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/23/24 11:52	02/27/24 23:39	1
Total TPH	<50.5	U	50.5		mg/Kg		02/23/24 11:52	02/27/24 23:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	139	S1+	70 - 130	02/23/24 11:52	02/27/24 23:39	1
o-Terphenyl	161	S1+	70 - 130	02/23/24 11:52	02/27/24 23:39	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	379		5.05		mg/Kg			02/19/24 22:32	1

Client Sample ID: F 13

Lab Sample ID: 890-6186-46
Matrix: Solid
Date Collected: 02/14/24 10:36
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 02:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 02:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 02:43	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 02:43	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 02:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 02:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	65	S1-	70 - 130	02/21/24 13:08	02/24/24 02:43	1
1,4-Difluorobenzene (Surr)	95		70 - 130	02/21/24 13:08	02/24/24 02:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 02:43	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: F 13

Date Collected: 02/14/24 10:36
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-46
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/24 00:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 00:01	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 00:01	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 00:01	1
Total TPH	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 00:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*142*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:01*	*1*
o-Terphenyl	*161*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**599**		4.96		mg/Kg			02/19/24 23:28	1

Client Sample ID: F 14

Date Collected: 02/14/24 10:38
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 03:03	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 03:03	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 03:03	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 03:03	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 03:03	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 03:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:03*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:03*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 03:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/28/24 00:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/23/24 11:52	02/28/24 00:23	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/23/24 11:52	02/28/24 00:23	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/23/24 11:52	02/28/24 00:23	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: F 14

Lab Sample ID: 890-6186-47
Matrix: Solid
Date Collected: 02/14/24 10:38
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		02/23/24 11:52	02/28/24 00:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:23*	*1*
o-Terphenyl	*156*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**782**		4.98		mg/Kg			02/19/24 23:48	1

Client Sample ID: E 7 - FS

Lab Sample ID: 890-6186-48
Matrix: Solid
Date Collected: 02/14/24 10:44
Date Received: 02/14/24 15:25
Sample Depth: 6'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 03:24	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 03:24	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 03:24	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 03:24	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 03:24	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 03:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:24*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 03:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/28/24 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/23/24 11:52	02/28/24 00:45	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/23/24 11:52	02/28/24 00:45	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/23/24 11:52	02/28/24 00:45	1
Total TPH	<49.8	U	49.8		mg/Kg		02/23/24 11:52	02/28/24 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*161*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:45*	*1*
o-Terphenyl	*181*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 00:45*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 7 - FS

Lab Sample ID: 890-6186-48
Matrix: Solid
Date Collected: 02/14/24 10:44
Date Received: 02/14/24 15:25
Sample Depth: 6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	97.7		5.00		mg/Kg			02/19/24 23:55	1

Client Sample ID: E 8 - NSW

Lab Sample ID: 890-6186-49
Matrix: Solid
Date Collected: 02/14/24 10:50
Date Received: 02/14/24 15:25
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 03:45	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 03:45	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 03:45	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		02/21/24 13:08	02/24/24 03:45	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		02/21/24 13:08	02/24/24 03:45	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 03:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*103*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:45*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/21/24 13:08*	*02/24/24 03:45*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			02/24/24 03:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/21/24 14:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/19/24 09:19	02/21/24 14:29	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/19/24 09:19	02/21/24 14:29	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/19/24 09:19	02/21/24 14:29	1
Total TPH	<50.3	U	50.3		mg/Kg		02/19/24 09:19	02/21/24 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*22*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 14:29*	*1*
o-Terphenyl	*13*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 14:29*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	182		5.00		mg/Kg			02/20/24 00:01	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 11 - NSW

Lab Sample ID: 890-6186-50
Matrix: Solid
Date Collected: 02/14/24 10:54
Date Received: 02/14/24 15:25
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 04:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 04:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 04:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 04:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 04:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 04:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/21/24 13:08*	*02/24/24 04:05*	*1*
1,4-Difluorobenzene (Surr)	*100*		*70 - 130*	*02/21/24 13:08*	*02/24/24 04:05*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 04:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/28/24 01:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 01:08	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 01:08	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 01:08	1
Total TPH	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/28/24 01:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*160*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 01:08*	*1*
o-Terphenyl	*177*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 01:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.3**		5.02		mg/Kg			02/20/24 00:08	1

Client Sample ID: H 5 - FS

Lab Sample ID: 890-6186-51
Matrix: Solid
Date Collected: 02/14/24 10:56
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 04:27	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 04:27	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 04:27	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 04:27	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 04:27	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 04:27	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: H 5 - FS

Date Collected: 02/14/24 10:56
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-51

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/21/24 13:08*	*02/24/24 04:27*	*1*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*	*02/21/24 13:08*	*02/24/24 04:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 04:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/24 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 15:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 15:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 15:43	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*27*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 15:43*	*1*
o-Terphenyl	*14*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 15:43*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**47.4**		4.99		mg/Kg			02/20/24 00:28	1

Client Sample ID: H 6 - FS

Date Collected: 02/14/24 11:00
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-52

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 05:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 05:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 05:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 13:08	02/24/24 05:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 13:08	02/24/24 05:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 05:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/21/24 13:08*	*02/24/24 05:52*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/21/24 13:08*	*02/24/24 05:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00400	U	0.00400		mg/Kg			02/24/24 05:52	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: H 6 - FS

Date Collected: 02/14/24 11:00
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-52

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/24 16:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 16:09	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 16:09	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 16:09	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 16:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*42*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 16:09*	*1*
o-Terphenyl	*37*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 16:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51.9**		5.03		mg/Kg			02/20/24 00:35	1

Client Sample ID: H 7 - FS

Date Collected: 02/14/24 11:02
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-53

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 06:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 06:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 06:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 06:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 06:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 06:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:12*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:12*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/24 16:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/19/24 09:19	02/21/24 16:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/19/24 09:19	02/21/24 16:34	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/19/24 09:19	02/21/24 16:34	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: H 7 - FS

Lab Sample ID: 890-6186-53
Matrix: Solid
Date Collected: 02/14/24 11:02
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg		02/19/24 09:19	02/21/24 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*46*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 16:34*	*1*
o-Terphenyl	*39*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 16:34*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.5**		5.04		mg/Kg			02/20/24 00:42	1

Client Sample ID: H 8 - FS

Lab Sample ID: 890-6186-54
Matrix: Solid
Date Collected: 02/14/24 11:04
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 06:33	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 06:33	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 06:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 06:33	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 06:33	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:33*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 06:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/28/24 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/23/24 11:52	02/28/24 01:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/23/24 11:52	02/28/24 01:52	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/23/24 11:52	02/28/24 01:52	1
Total TPH	<50.2	U	50.2		mg/Kg		02/23/24 11:52	02/28/24 01:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*171*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 01:52*	*1*
o-Terphenyl	*191*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/28/24 01:52*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: H 8 - FS

Lab Sample ID: 890-6186-54
Matrix: Solid
Date Collected: 02/14/24 11:04
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	91.3		5.05		mg/Kg			02/20/24 00:48	1

Client Sample ID: I 4 - FS

Lab Sample ID: 890-6186-55
Matrix: Solid
Date Collected: 02/14/24 11:10
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 06:54	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 06:54	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 06:54	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 13:08	02/24/24 06:54	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 13:08	02/24/24 06:54	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:08	02/24/24 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:54*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/21/24 13:08*	*02/24/24 06:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 06:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/21/24 17:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 17:24	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 17:24	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 17:24	1
Total TPH	<49.7	U	49.7		mg/Kg		02/19/24 09:19	02/21/24 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*24*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 17:24*	*1*
o-Terphenyl	*20*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 17:24*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	186		4.98		mg/Kg			02/20/24 00:55	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: I 5 - FS

Lab Sample ID: 890-6186-56
Matrix: Solid

Date Collected: 02/14/24 11:12
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:14	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:14	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:14	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 07:14	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 07:14	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:14*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 07:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/21/24 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/19/24 09:19	02/21/24 17:49	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/19/24 09:19	02/21/24 17:49	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/19/24 09:19	02/21/24 17:49	1
Total TPH	<50.1	U	50.1		mg/Kg		02/19/24 09:19	02/21/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*19*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 17:49*	*1*
o-Terphenyl	*8*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**299**		4.95		mg/Kg			02/20/24 01:02	1

Client Sample ID: I 6 - FS

Lab Sample ID: 890-6186-57
Matrix: Solid

Date Collected: 02/14/24 11:14
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 07:35	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/21/24 13:08	02/24/24 07:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/21/24 13:08	02/24/24 07:35	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: I 6 - FS

Date Collected: 02/14/24 11:14
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-57

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:35*	*1*
1,4-Difluorobenzene (Surr)	*93*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/24/24 07:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/21/24 18:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/19/24 09:19	02/21/24 18:14	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/19/24 09:19	02/21/24 18:14	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/19/24 09:19	02/21/24 18:14	1
Total TPH	<50.4	U	50.4		mg/Kg		02/19/24 09:19	02/21/24 18:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*28*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 18:14*	*1*
o-Terphenyl	*20*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 18:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**423**		5.02		mg/Kg			02/20/24 01:22	1

Client Sample ID: I 7 - FS

Date Collected: 02/14/24 11:16
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-58

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 07:56	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 07:56	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 07:56	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 07:56	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 07:56	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 07:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:56*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:08*	*02/24/24 07:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 07:56	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: I 7 - FS

Date Collected: 02/14/24 11:16
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-58

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/21/24 18:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 18:38	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 18:38	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 18:38	1
Total TPH	<50.5	U	50.5		mg/Kg		02/19/24 09:19	02/21/24 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*27*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 18:38*	*1*
o-Terphenyl	*19*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 18:38*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**245**		4.97		mg/Kg			02/20/24 01:29	1

Client Sample ID: J 4 - FS

Date Collected: 02/14/24 11:20
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Lab Sample ID: 890-6186-59

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 08:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 08:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 08:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 08:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/21/24 13:08	02/24/24 08:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/21/24 13:08	02/24/24 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:17*	*1*
1,4-Difluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/24/24 08:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 19:02	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 19:02	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 19:02	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: J 4 - FS

Lab Sample ID: 890-6186-59
Matrix: Solid
Date Collected: 02/14/24 11:20
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:19	02/21/24 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*41*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 19:02*	*1*
o-Terphenyl	*33*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 19:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**203**		5.03		mg/Kg			02/20/24 01:49	1

Client Sample ID: J 7 - FS

Lab Sample ID: 890-6186-60
Matrix: Solid
Date Collected: 02/14/24 11:22
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 08:37	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 08:37	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 08:37	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 08:37	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/21/24 13:08	02/24/24 08:37	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/21/24 13:08	02/24/24 08:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:37*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:37*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/24/24 08:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/21/24 19:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 19:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 19:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 19:26	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*25*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 19:26*	*1*
o-Terphenyl	*18*	*S1-*	*70 - 130*	*02/19/24 09:19*	*02/21/24 19:26*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: J 7 - FS

Lab Sample ID: 890-6186-60
Matrix: Solid
Date Collected: 02/14/24 11:22
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	292		5.04		mg/Kg			02/20/24 01:56	1

Client Sample ID: K 2

Lab Sample ID: 890-6186-61
Matrix: Solid
Date Collected: 02/14/24 11:24
Date Received: 02/14/24 15:25
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 08:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 08:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 08:58	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 08:58	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/21/24 13:08	02/24/24 08:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 08:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:58*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/21/24 13:08*	*02/24/24 08:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/24/24 08:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/21/24 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/19/24 09:07	02/21/24 03:00	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/19/24 09:07	02/21/24 03:00	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/19/24 09:07	02/21/24 03:00	1
Total TPH	<49.9	U	49.9		mg/Kg		02/19/24 09:07	02/21/24 03:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*56*	*S1-*	*70 - 130*	*02/19/24 09:07*	*02/21/24 03:00*	*1*
o-Terphenyl	*54*	*S1-*	*70 - 130*	*02/19/24 09:07*	*02/21/24 03:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	268		4.99		mg/Kg			02/20/24 02:03	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: K 4 - FS

Date Collected: 02/14/24 11:26
Date Received: 02/14/24 15:25
Sample Depth: 0.5'

Lab Sample ID: 890-6186-62

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:54	02/24/24 02:15	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:54	02/24/24 02:15	1
Toluene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:54	02/24/24 02:15	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		02/21/24 13:54	02/24/24 02:15	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		02/21/24 13:54	02/24/24 02:15	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		02/21/24 13:54	02/24/24 02:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*	*02/21/24 13:54*	*02/24/24 02:15*	*1*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*	*02/21/24 13:54*	*02/24/24 02:15*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			02/24/24 02:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/21/24 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 03:23	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 03:23	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 03:23	1
Total TPH	<49.8	U	49.8		mg/Kg		02/19/24 09:07	02/21/24 03:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*67*	*S1-*	*70 - 130*	*02/19/24 09:07*	*02/21/24 03:23*	*1*
o-Terphenyl	*65*	*S1-*	*70 - 130*	*02/19/24 09:07*	*02/21/24 03:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**282**		5.02		mg/Kg			02/20/24 02:09	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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)
890-6186-1	E 17	134 S1+	87
890-6186-1 MS	E 17	131 S1+	124
890-6186-1 MSD	E 17	137 S1+	107
890-6186-2	E 16	108	111
890-6186-3	E 15	117	136 S1+
890-6186-4	E 14	127	125
890-6186-5	E 13	74	111
890-6186-6	E 12	121	122
890-6186-7	E 2	30 S1-	90
890-6186-8	B 5	115	107
890-6186-9	B 5- ESW	114	117
890-6186-10	B 5- SSW	75	107
890-6186-11	B 5 - WSW	116	122
890-6186-12	B 8 - FS	120	98
890-6186-13	C 8 - FS	118	106
890-6186-14	D 8 - FS	116	130
890-6186-15	D 7 - FS	189 S1+	82
890-6186-16	D 6 - FS	139 S1+	106
890-6186-17	B 7 - FS	126	124
890-6186-18	F 3 - SSW	118	138 S1+
890-6186-19	B 9	107	118
890-6186-20	B 10	122	96
890-6186-21	C 9	105	112
890-6186-21 MS	C 9	128	132 S1+
890-6186-21 MSD	C 9	111	95
890-6186-22	C 10	110	117
890-6186-23	C 6 - FS	108	75
890-6186-24	C 3	131 S1+	116
890-6186-25	D 3	168 S1+	119
890-6186-26	D 4	118	128
890-6186-27	D 5	150 S1+	126
890-6186-28	D 9	104	106
890-6186-29	D 10	122	104
890-6186-31	D 12	109	111
890-6186-32	D 13	112	117
890-6186-33	D 14	77	105
890-6186-34	D 16	117	131 S1+
890-6186-35	D 17	118	125
890-6186-36	D 18	152 S1+	108
890-6186-37	D 19	131 S1+	93
890-6186-38	G 17	107	118
890-6186-39	G 1	121	105
890-6186-40	G 4 - FS	129	47 S1-
890-6186-41	G 5 - FS	111	116
890-6186-42	G 12	92	94
890-6186-42 MS	G 12	96	107
890-6186-42 MSD	G 12	109	96
890-6186-43	G 13	97	113
890-6186-44	G 14	96	112

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
890-6186-45	F 12	101	109
890-6186-46	F 13	65 S1-	95
890-6186-47	F 14	104	108
890-6186-48	E 7 - FS	103	98
890-6186-49	E 8 - NSW	103	103
890-6186-50	E 11 - NSW	76	100
890-6186-51	H 5 - FS	91	104
890-6186-52	H 6 - FS	99	95
890-6186-53	H 7 - FS	106	108
890-6186-54	H 8 - FS	107	106
890-6186-55	I 4 - FS	105	108
890-6186-56	I 5 - FS	114	105
890-6186-57	I 6 - FS	111	93
890-6186-58	I 7 - FS	113	105
890-6186-59	J 4 - FS	111	105
890-6186-60	J 7 - FS	113	103
890-6186-61	K 2	105	106
890-6186-62	K 4 - FS	78	99
890-6189-A-1-G MS	Matrix Spike	99	121
890-6189-A-1-H MSD	Matrix Spike Duplicate	92	104
LCS 880-73787/1-A	Lab Control Sample	87	115
LCS 880-73788/1-A	Lab Control Sample	120	73
LCS 880-73789/1-A	Lab Control Sample	93	105
LCS 880-73793/1-A	Lab Control Sample	97	131 S1+
LCSD 880-73787/2-A	Lab Control Sample Dup	114	126
LCSD 880-73788/2-A	Lab Control Sample Dup	130	113
LCSD 880-73789/2-A	Lab Control Sample Dup	86	107
LCSD 880-73793/2-A	Lab Control Sample Dup	105	118
MB 880-73787/5-A	Method Blank	73	141 S1+
MB 880-73788/5-A	Method Blank	68 S1-	130
MB 880-73789/5-A	Method Blank	75	100
MB 880-73793/5-A	Method Blank	66 S1-	104
MB 880-73912/5-A	Method Blank	75	102

Surrogate Legend

BFB = 4-Bromofluorobenzene (Surr)

DFBZ = 1,4-Difluorobenzene (Surr)

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) 1CO1 (70-130)	OTPH1 (70-130)
880-39505-A-2-B MS	Matrix Spike	67 S1-	66 S1-
880-39505-A-2-C MSD	Matrix Spike Duplicate	79	75
890-6186-1	E 17	129	108
890-6186-1 MS	E 17	117	93
890-6186-1 MSD	E 17	93	72
890-6186-2	E 16	95	80
890-6186-3	E 15	118	98

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)											
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)										
890-6186-4	E 14	77	62 S1-										
890-6186-5	E 13	141 S1+	158 S1+										
890-6186-6	E 12	32 S1-	18 S1-										
890-6186-7	E 2	48 S1-	30 S1-										
890-6186-8	B 5	130	151 S1+										
890-6186-9	B 5- ESW	87	70										
890-6186-10	B 5- SSW	108	85										
890-6186-11	B 5 - WSW	114	89										
890-6186-12	B 8 - FS	71	55 S1-										
890-6186-13	C 8 - FS	23 S1-	8 S1-										
890-6186-14	D 8 - FS	39 S1-	25 S1-										
890-6186-15	D 7 - FS	69 S1-	55 S1-										
890-6186-16	D 6 - FS	89	72										
890-6186-17	B 7 - FS	108	86										
890-6186-18	F 3 - SSW	71	55 S1-										
890-6186-19	B 9	100	84										
890-6186-20	B 10	108	88										
890-6186-21	C 9	97	84										
890-6186-21 MS	C 9	81	62 S1-										
890-6186-21 MSD	C 9	105	83										
890-6186-22	C 10	103	84										
890-6186-23	C 6 - FS	110	90										
890-6186-24	C 3	108	87										
890-6186-25	D 3	99	82										
890-6186-26	D 4	109	95										
890-6186-27	D 5	90	75										
890-6186-28	D 9	113	98										
890-6186-29	D 10	101	83										
890-6186-31	D 12	136 S1+	112										
890-6186-32	D 13	110	95										
890-6186-33	D 14	131 S1+	112										
890-6186-34	D 16	139 S1+	117										
890-6186-35	D 17	111	92										
890-6186-36	D 18	100	81										
890-6186-37	D 19	119	103										
890-6186-38	G 17	144 S1+	122										
890-6186-39	G 1	103	89										
890-6186-40	G 4 - FS	138 S1+	118										
890-6186-41	G 5 - FS	36 S1-	27 S1-										
890-6186-42	G 12	105	112										
890-6186-42 MS	G 12	92	89										
890-6186-42 MSD	G 12	88	85										
890-6186-43	G 13	29 S1-	24 S1-										
890-6186-44	G 14	60 S1-	59 S1-										
890-6186-45	F 12	139 S1+	161 S1+										
890-6186-46	F 13	142 S1+	161 S1+										
890-6186-47	F 14	140 S1+	156 S1+										
890-6186-48	E 7 - FS	161 S1+	181 S1+										
890-6186-49	E 8 - NSW	22 S1-	13 S1-										
890-6186-50	E 11 - NSW	160 S1+	177 S1+										

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-6186-51	H 5 - FS	27 S1-	14 S1-
890-6186-52	H 6 - FS	42 S1-	37 S1-
890-6186-53	H 7 - FS	46 S1-	39 S1-
890-6186-54	H 8 - FS	171 S1+	191 S1+
890-6186-55	I 4 - FS	24 S1-	20 S1-
890-6186-56	I 5 - FS	19 S1-	8 S1-
890-6186-57	I 6 - FS	28 S1-	20 S1-
890-6186-58	I 7 - FS	27 S1-	19 S1-
890-6186-59	J 4 - FS	41 S1-	33 S1-
890-6186-60	J 7 - FS	25 S1-	18 S1-
890-6186-61	K 2	56 S1-	54 S1-
890-6186-62	K 4 - FS	67 S1-	65 S1-
LCS 880-73439/2-A	Lab Control Sample	97	99
LCS 880-73440/2-A	Lab Control Sample	109	110
LCS 880-73441/2-A	Lab Control Sample	131 S1+	134 S1+
LCS 880-73442/2-A	Lab Control Sample	99	97
LCS 880-73922/2-A	Lab Control Sample	103	105
LCSD 880-73439/3-A	Lab Control Sample Dup	86	86
LCSD 880-73440/3-A	Lab Control Sample Dup	107	98
LCSD 880-73441/3-A	Lab Control Sample Dup	128	119
LCSD 880-73442/3-A	Lab Control Sample Dup	86	84
LCSD 880-73922/3-A	Lab Control Sample Dup	103	106
MB 880-73439/1-A	Method Blank	133 S1+	152 S1+
MB 880-73440/1-A	Method Blank	133 S1+	116
MB 880-73441/1-A	Method Blank	158 S1+	136 S1+
MB 880-73442/1-A	Method Blank	146 S1+	162 S1+
MB 880-73922/1-A	Method Blank	181 S1+	203 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-73787/5-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73787

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/23/24 21:55	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/23/24 21:55	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/23/24 21:55	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 12:48	02/23/24 21:55	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 12:48	02/23/24 21:55	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 12:48	02/23/24 21:55	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*73*		*70 - 130*	*02/21/24 12:48*	*02/23/24 21:55*	*1*
1,4-Difluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*02/21/24 12:48*	*02/23/24 21:55*	*1*

Lab Sample ID: LCS 880-73787/1-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73787

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1109		mg/Kg		111	70 - 130		
Ethylbenzene			0.100	0.09955		mg/Kg		100	70 - 130		
Toluene			0.100	0.1038		mg/Kg		104	70 - 130		
m-Xylene & p-Xylene			0.200	0.2017		mg/Kg		101	70 - 130		
o-Xylene			0.100	0.09944		mg/Kg		99	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*

Lab Sample ID: LCSD 880-73787/2-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73787

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1242		mg/Kg		124	70 - 130	11	35
Ethylbenzene			0.100	0.1174		mg/Kg		117	70 - 130	16	35
Toluene			0.100	0.1115		mg/Kg		112	70 - 130	7	35
m-Xylene & p-Xylene			0.200	0.2459		mg/Kg		123	70 - 130	20	35
o-Xylene			0.100	0.1212		mg/Kg		121	70 - 130	20	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*

Lab Sample ID: 890-6186-1 MS
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: E 17
Prep Type: Total/NA
Prep Batch: 73787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U	0.101	0.09398		mg/Kg		93	70 - 130		
Ethylbenzene	<0.00199	U F1 F2	0.101	0.09079		mg/Kg		90	70 - 130		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: 890-6186-1 MS
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: E 17
Prep Type: Total/NA
Prep Batch: 73787

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.00218	F1	0.101	0.08744		mg/Kg		85	70 - 130
m-Xylene & p-Xylene	<0.00398	U F1	0.202	0.1732		mg/Kg		84	70 - 130
o-Xylene	<0.00199	U F1	0.101	0.08754		mg/Kg		86	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*124*		*70 - 130*

Lab Sample ID: 890-6186-1 MSD
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: E 17
Prep Type: Total/NA
Prep Batch: 73787

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.06983		mg/Kg		70	70 - 130	29	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.06146	F1 F2	mg/Kg		61	70 - 130	39	35
Toluene	0.00218	F1	0.100	0.06875	F1	mg/Kg		67	70 - 130	24	35
m-Xylene & p-Xylene	<0.00398	U F1	0.200	0.1325	F1	mg/Kg		65	70 - 130	27	35
o-Xylene	<0.00199	U F1	0.100	0.06956	F1	mg/Kg		69	70 - 130	23	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*137*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 880-73788/5-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73788

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 11:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 11:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 11:44	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 13:00	02/24/24 11:44	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 13:00	02/24/24 11:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:00	02/24/24 11:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*68*	*S1-*	*70 - 130*	*02/21/24 13:00*	*02/24/24 11:44*	*1*
1,4-Difluorobenzene (Surr)	*130*		*70 - 130*	*02/21/24 13:00*	*02/24/24 11:44*	*1*

Lab Sample ID: LCS 880-73788/1-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73788

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1068		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09613		mg/Kg		96	70 - 130
Toluene	0.100	0.1046		mg/Kg		105	70 - 130
m-Xylene & p-Xylene	0.200	0.1984		mg/Kg		99	70 - 130

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCS 880-73788/1-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73788

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.09415		mg/Kg		94	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*120*		*70 - 130*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*

Lab Sample ID: LCSD 880-73788/2-A
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73788

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1265		mg/Kg		126	70 - 130	17	35
Ethylbenzene			0.100	0.1085		mg/Kg		109	70 - 130	12	35
Toluene			0.100	0.1242		mg/Kg		124	70 - 130	17	35
m-Xylene & p-Xylene			0.200	0.2269		mg/Kg		113	70 - 130	13	35
o-Xylene			0.100	0.1182		mg/Kg		118	70 - 130	23	35

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

Lab Sample ID: 890-6186-21 MS
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: C 9
Prep Type: Total/NA
Prep Batch: 73788

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1	0.101	0.08834		mg/Kg		88	70 - 130		
Ethylbenzene	<0.00199	U F1 F2	0.101	0.08014		mg/Kg		79	70 - 130		
Toluene	<0.00199	U F1 F2	0.101	0.07994		mg/Kg		79	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.1553		mg/Kg		77	70 - 130		
o-Xylene	<0.00199	U F1	0.101	0.07892		mg/Kg		77	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*132*	*S1+*	*70 - 130*

Lab Sample ID: 890-6186-21 MSD
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: C 9
Prep Type: Total/NA
Prep Batch: 73788

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1	0.100	0.06338	F1	mg/Kg		63	70 - 130	33	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.05076	F1 F2	mg/Kg		51	70 - 130	45	35
Toluene	<0.00199	U F1 F2	0.100	0.05467	F1 F2	mg/Kg		55	70 - 130	38	35
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.04551	F1 F2	mg/Kg		23	70 - 130	109	35
o-Xylene	<0.00199	U F1	0.100	0.05662	F1	mg/Kg		55	70 - 130	33	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: 890-6186-21 MSD
Matrix: Solid
Analysis Batch: 73921

Client Sample ID: C 9
Prep Type: Total/NA
Prep Batch: 73788

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-73789/5-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73789

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 00:58	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 00:58	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 00:58	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 13:08	02/24/24 00:58	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 13:08	02/24/24 00:58	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:08	02/24/24 00:58	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	75		70 - 130	02/21/24 13:08	02/24/24 00:58	1
1,4-Difluorobenzene (Surr)	100		70 - 130	02/21/24 13:08	02/24/24 00:58	1

Lab Sample ID: LCS 880-73789/1-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73789

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1118		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.08490		mg/Kg		85	70 - 130		
Toluene			0.100	0.08877		mg/Kg		89	70 - 130		
m-Xylene & p-Xylene			0.200	0.1691		mg/Kg		85	70 - 130		
o-Xylene			0.100	0.08708		mg/Kg		87	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	93		70 - 130
1,4-Difluorobenzene (Surr)	105		70 - 130

Lab Sample ID: LCSD 880-73789/2-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73789

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1225		mg/Kg		122	70 - 130	9	35
Ethylbenzene			0.100	0.08827		mg/Kg		88	70 - 130	4	35
Toluene			0.100	0.09370		mg/Kg		94	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.1742		mg/Kg		87	70 - 130	3	35
o-Xylene			0.100	0.08990		mg/Kg		90	70 - 130	3	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	86		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73789/2-A
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73789

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

Lab Sample ID: 890-6186-42 MS
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: G 12
Prep Type: Total/NA
Prep Batch: 73789

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U	0.101	0.1210		mg/Kg		120	70 - 130
Ethylbenzene	<0.00199	U	0.101	0.09296		mg/Kg		92	70 - 130
Toluene	<0.00199	U	0.101	0.09694		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	<0.00398	U	0.202	0.1853		mg/Kg		92	70 - 130
o-Xylene	<0.00199	U	0.101	0.09604		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	96		70 - 130
1,4-Difluorobenzene (Surr)	107		70 - 130

Lab Sample ID: 890-6186-42 MSD
Matrix: Solid
Analysis Batch: 73907

Client Sample ID: G 12
Prep Type: Total/NA
Prep Batch: 73789

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U	0.100	0.09441		mg/Kg		94	70 - 130	25	35
Ethylbenzene	<0.00199	U	0.100	0.1014		mg/Kg		101	70 - 130	9	35
Toluene	<0.00199	U	0.100	0.09614		mg/Kg		96	70 - 130	1	35
m-Xylene & p-Xylene	<0.00398	U	0.200	0.2146		mg/Kg		107	70 - 130	15	35
o-Xylene	<0.00199	U	0.100	0.1110		mg/Kg		111	70 - 130	14	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: MB 880-73793/5-A
Matrix: Solid
Analysis Batch: 73825

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73793

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:54	02/23/24 20:19	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:54	02/23/24 20:19	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:54	02/23/24 20:19	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/21/24 13:54	02/23/24 20:19	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/21/24 13:54	02/23/24 20:19	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/21/24 13:54	02/23/24 20:19	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130	02/21/24 13:54	02/23/24 20:19	1
1,4-Difluorobenzene (Surr)	104		70 - 130	02/21/24 13:54	02/23/24 20:19	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCS 880-73793/1-A
Matrix: Solid
Analysis Batch: 73825

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73793

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1084		mg/Kg		108	70 - 130		
Ethylbenzene			0.100	0.09446		mg/Kg		94	70 - 130		
Toluene			0.100	0.08966		mg/Kg		90	70 - 130		
m-Xylene & p-Xylene			0.200	0.1948		mg/Kg		97	70 - 130		
o-Xylene			0.100	0.09567		mg/Kg		96	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
1,4-Difluorobenzene (Surr)	*131*	*S1+*	*70 - 130*

Lab Sample ID: LCSD 880-73793/2-A
Matrix: Solid
Analysis Batch: 73825

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73793

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1115		mg/Kg		112	70 - 130	3	35
Ethylbenzene			0.100	0.09240		mg/Kg		92	70 - 130	2	35
Toluene			0.100	0.09357		mg/Kg		94	70 - 130	4	35
m-Xylene & p-Xylene			0.200	0.1917		mg/Kg		96	70 - 130	2	35
o-Xylene			0.100	0.1045		mg/Kg		105	70 - 130	9	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*

Lab Sample ID: 890-6189-A-1-G MS
Matrix: Solid
Analysis Batch: 73825

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73793

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00199	U F1 F2	0.101	0.1085		mg/Kg		108	70 - 130		
Ethylbenzene	<0.00199	U F1 F2	0.101	0.09948		mg/Kg		99	70 - 130		
Toluene	<0.00199	U F1 F2	0.101	0.09774		mg/Kg		97	70 - 130		
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.202	0.1999		mg/Kg		99	70 - 130		
o-Xylene	<0.00199	U F1 F2	0.101	0.09774		mg/Kg		97	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*

Lab Sample ID: 890-6189-A-1-H MSD
Matrix: Solid
Analysis Batch: 73825

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73793

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U F1 F2	0.100	0.06587	F1 F2	mg/Kg		66	70 - 130	49	35
Ethylbenzene	<0.00199	U F1 F2	0.100	0.03317	F1 F2	mg/Kg		33	70 - 130	100	35
Toluene	<0.00199	U F1 F2	0.100	0.04549	F1 F2	mg/Kg		45	70 - 130	73	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: 890-6189-A-1-H MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73825 — **Prep Batch: 73793**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00398	U F1 F2	0.200	0.06235	F1 F2	mg/Kg		31	70 - 130	105	35
o-Xylene	<0.00199	U F1 F2	0.100	0.03340	F1 F2	mg/Kg		33	70 - 130	98	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
1,4-Difluorobenzene (Surr)	*104*		*70 - 130*

Lab Sample ID: MB 880-73912/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73907 — **Prep Batch: 73912**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/23/24 08:11	02/23/24 14:01	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/23/24 08:11	02/23/24 14:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*75*		*70 - 130*	*02/23/24 08:11*	*02/23/24 14:01*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/23/24 08:11*	*02/23/24 14:01*	*1*

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

Lab Sample ID: MB 880-73439/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:06	02/20/24 20:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/19/24 09:06*	*02/20/24 20:27*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*02/19/24 09:06*	*02/20/24 20:27*	*1*

Lab Sample ID: LCS 880-73439/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	819.0		mg/Kg		82	70 - 130		

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QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCS 880-73439/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	897.7		mg/Kg		90	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*99*		*70 - 130*

Lab Sample ID: LCSD 880-73439/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	802.7		mg/Kg		80	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	866.2		mg/Kg		87	70 - 130	4	20

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

Lab Sample ID: 880-39505-A-2-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.5	U F1	1010	624.1	F1	mg/Kg		58	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.5	U F1	1010	507.1	F1	mg/Kg		48	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*67*	*S1-*	*70 - 130*
o-Terphenyl	*66*	*S1-*	*70 - 130*

Lab Sample ID: 880-39505-A-2-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73600 — **Prep Batch: 73439**

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	<49.5	U F1	1010	700.5	F1	mg/Kg		65	70 - 130	12	20
Diesel Range Organics (Over C10-C28)	<49.5	U F1	1010	583.6	F1	mg/Kg		55	70 - 130	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*79*		*70 - 130*
o-Terphenyl	*75*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: MB 880-73440/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73440**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 07:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 07:47	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 07:47	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:10	02/21/24 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/19/24 09:10*	*02/21/24 07:47*	*1*
o-Terphenyl	*116*		*70 - 130*	*02/19/24 09:10*	*02/21/24 07:47*	*1*

Lab Sample ID: LCS 880-73440/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73440**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	992.6		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	900.6		mg/Kg		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*109*		*70 - 130*
o-Terphenyl	*110*		*70 - 130*

Lab Sample ID: LCSD 880-73440/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73440**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	962.7		mg/Kg		96	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	903.2		mg/Kg		90	70 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*107*		*70 - 130*
o-Terphenyl	*98*		*70 - 130*

Lab Sample ID: 890-6186-1 MS — **Client Sample ID: E 17**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73440**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1000	1208		mg/Kg		117	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F2	1000	944.1		mg/Kg		93	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: 890-6186-1 MS
Matrix: Solid
Analysis Batch: 73704

Client Sample ID: E 17
Prep Type: Total/NA
Prep Batch: 73440

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	117		70 - 130
o-Terphenyl	93		70 - 130

Lab Sample ID: 890-6186-1 MSD
Matrix: Solid
Analysis Batch: 73704

Client Sample ID: E 17
Prep Type: Total/NA
Prep Batch: 73440

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	<49.8	U F2	1000	974.6	F2	mg/Kg		94	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	<49.8	U F2	1000	729.2	F2	mg/Kg		71	70 - 130	26	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	93		70 - 130
o-Terphenyl	72		70 - 130

Lab Sample ID: MB 880-73441/1-A
Matrix: Solid
Analysis Batch: 73704

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73441

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 20:15	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 20:15	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 20:15	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:13	02/21/24 20:15	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	158	S1+	70 - 130	02/19/24 09:13	02/21/24 20:15	1
o-Terphenyl	136	S1+	70 - 130	02/19/24 09:13	02/21/24 20:15	1

Lab Sample ID: LCS 880-73441/2-A
Matrix: Solid
Analysis Batch: 73704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73441

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1050		mg/Kg		105	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1104		mg/Kg		110	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	131	S1+	70 - 130
o-Terphenyl	134	S1+	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73441/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73441**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	955.3		mg/Kg		96	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1000	1081		mg/Kg		108	70 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*128*		*70 - 130*
o-Terphenyl	*119*		*70 - 130*

Lab Sample ID: 890-6186-21 MS — **Client Sample ID: C 9**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73441**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.6	U F2	1010	882.4		mg/Kg		84	70 - 130
Diesel Range Organics (Over C10-C28)	<49.6	U F1 F2	1010	645.5	F1	mg/Kg		62	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*81*		*70 - 130*
o-Terphenyl	*62*	*S1-*	*70 - 130*

Lab Sample ID: 890-6186-21 MSD — **Client Sample ID: C 9**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73704 — **Prep Batch: 73441**

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	<49.6	U F2	1010	1119	F2	mg/Kg		108	70 - 130	24	20
Diesel Range Organics (Over C10-C28)	<49.6	U F1 F2	1010	855.7	F2	mg/Kg		83	70 - 130	28	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*105*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: MB 880-73442/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 73706 — **Prep Batch: 73442**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 07:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 07:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 07:47	1
Total TPH	<50.0	U	50.0		mg/Kg		02/19/24 09:19	02/21/24 07:47	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: MB 880-73442/1-A
Matrix: Solid
Analysis Batch: 73706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73442

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	146	S1+	70 - 130	02/19/24 09:19	02/21/24 07:47	1
o-Terphenyl	162	S1+	70 - 130	02/19/24 09:19	02/21/24 07:47	1

Lab Sample ID: LCS 880-73442/2-A
Matrix: Solid
Analysis Batch: 73706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73442

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1015		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1071		mg/Kg		107	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	99		70 - 130
o-Terphenyl	97		70 - 130

Lab Sample ID: LCSD 880-73442/3-A
Matrix: Solid
Analysis Batch: 73706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73442

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	947.1		mg/Kg		95	70 - 130	7	20
Diesel Range Organics (Over C10-C28)			1000	994.1		mg/Kg		99	70 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	86		70 - 130
o-Terphenyl	84		70 - 130

Lab Sample ID: 890-6186-42 MS
Matrix: Solid
Analysis Batch: 73706

Client Sample ID: G 12
Prep Type: Total/NA
Prep Batch: 73442

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	1000	1215		mg/Kg		117	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	717.2	F1	mg/Kg		68	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	92		70 - 130
o-Terphenyl	89		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: 890-6186-42 MSD
Matrix: Solid
Analysis Batch: 73706

Client Sample ID: G 12
Prep Type: Total/NA
Prep Batch: 73442

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	<49.9	U	1000	1196		mg/Kg		115	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<49.9	U F1	1000	688.9	F1	mg/Kg		65	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*88*		*70 - 130*
o-Terphenyl	*85*		*70 - 130*

Lab Sample ID: MB 880-73922/1-A
Matrix: Solid
Analysis Batch: 74120

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73922

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/27/24 20:00	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/27/24 20:00	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/27/24 20:00	1
Total TPH	<50.0	U	50.0		mg/Kg		02/23/24 11:52	02/27/24 20:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*181*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/27/24 20:00*	*1*
o-Terphenyl	*203*	*S1+*	*70 - 130*	*02/23/24 11:52*	*02/27/24 20:00*	*1*

Lab Sample ID: LCS 880-73922/2-A
Matrix: Solid
Analysis Batch: 74120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73922

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1201		mg/Kg		120	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*103*		*70 - 130*
o-Terphenyl	*105*		*70 - 130*

Lab Sample ID: LCSD 880-73922/3-A
Matrix: Solid
Analysis Batch: 74120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73922

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1012		mg/Kg		101	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	1214		mg/Kg		121	70 - 130	1	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73922/3-A
Matrix: Solid
Analysis Batch: 74120

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73922

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	103		70 - 130
o-Terphenyl	106		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-73323/1-A
Matrix: Solid
Analysis Batch: 73451

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/19/24 17:41	1

Lab Sample ID: LCS 880-73323/2-A
Matrix: Solid
Analysis Batch: 73451

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	244.1		mg/Kg		98	90 - 110		

Lab Sample ID: LCSD 880-73323/3-A
Matrix: Solid
Analysis Batch: 73451

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	245.0		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-6186-1 MS
Matrix: Solid
Analysis Batch: 73451

Client Sample ID: E 17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	272		251	518.5		mg/Kg		98	90 - 110		

Lab Sample ID: 890-6186-1 MSD
Matrix: Solid
Analysis Batch: 73451

Client Sample ID: E 17
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	272		251	519.2		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-73324/1-A
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/19/24 15:20	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCS 880-73324/2-A
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	243.6		mg/Kg		97	90 - 110		

Lab Sample ID: LCSD 880-73324/3-A
Matrix: Solid
Analysis Batch: 73452

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	244.4		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-6186-6 MS
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: E 12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	235		252	463.0		mg/Kg		91	90 - 110		

Lab Sample ID: 890-6186-6 MSD
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: E 12
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	235		252	466.7		mg/Kg		92	90 - 110	1	20

Lab Sample ID: 890-6186-16 MS
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: D 6 - FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	154		249	401.8		mg/Kg		100	90 - 110		

Lab Sample ID: 890-6186-16 MSD
Matrix: Solid
Analysis Batch: 73452

Client Sample ID: D 6 - FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	154		249	403.0		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-73325/1-A
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/19/24 19:16	1

Lab Sample ID: LCS 880-73325/2-A
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.6		mg/Kg		102	90 - 110		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCSD 880-73325/3-A
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.7		mg/Kg		103	90 - 110	0	20

Lab Sample ID: 890-6186-26 MS
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: D 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	185		251	418.2		mg/Kg		93	90 - 110		

Lab Sample ID: 890-6186-26 MSD
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: D 4
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	185		251	420.4		mg/Kg		94	90 - 110	1	20

Lab Sample ID: 890-6186-37 MS
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: D 19
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	456	F1	251	673.5	F1	mg/Kg		87	90 - 110		

Lab Sample ID: 890-6186-37 MSD
Matrix: Solid
Analysis Batch: 73453

Client Sample ID: D 19
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	456	F1	251	675.7	F1	mg/Kg		87	90 - 110	0	20

Lab Sample ID: MB 880-73327/1-A
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/19/24 23:07	1

Lab Sample ID: LCS 880-73327/2-A
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	255.9		mg/Kg		102	90 - 110		

Lab Sample ID: LCSD 880-73327/3-A
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			250	256.8		mg/Kg		103	90 - 110	0	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6186-46 MS
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: F 13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	599		248	827.1		mg/Kg		92	90 - 110

Lab Sample ID: 890-6186-46 MSD
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: F 13
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	599		248	831.3		mg/Kg		93	90 - 110	0	20

Lab Sample ID: 890-6186-56 MS
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: I 5 - FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	299		248	528.2		mg/Kg		93	90 - 110

Lab Sample ID: 890-6186-56 MSD
Matrix: Solid
Analysis Batch: 73455

Client Sample ID: I 5 - FS
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	299		248	529.0		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC VOA

Prep Batch: 73787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	5035	
890-6186-2	E 16	Total/NA	Solid	5035	
890-6186-3	E 15	Total/NA	Solid	5035	
890-6186-4	E 14	Total/NA	Solid	5035	
890-6186-5	E 13	Total/NA	Solid	5035	
890-6186-6	E 12	Total/NA	Solid	5035	
890-6186-7	E 2	Total/NA	Solid	5035	
890-6186-8	B 5	Total/NA	Solid	5035	
890-6186-9	B 5- ESW	Total/NA	Solid	5035	
890-6186-10	B 5- SSW	Total/NA	Solid	5035	
890-6186-11	B 5 - WSW	Total/NA	Solid	5035	
890-6186-12	B 8 - FS	Total/NA	Solid	5035	
890-6186-13	C 8 - FS	Total/NA	Solid	5035	
890-6186-14	D 8 - FS	Total/NA	Solid	5035	
890-6186-15	D 7 - FS	Total/NA	Solid	5035	
890-6186-16	D 6 - FS	Total/NA	Solid	5035	
890-6186-17	B 7 - FS	Total/NA	Solid	5035	
890-6186-18	F 3 - SSW	Total/NA	Solid	5035	
890-6186-19	B 9	Total/NA	Solid	5035	
890-6186-20	B 10	Total/NA	Solid	5035	
MB 880-73787/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73787/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73787/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6186-1 MS	E 17	Total/NA	Solid	5035	
890-6186-1 MSD	E 17	Total/NA	Solid	5035	

Prep Batch: 73788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-21	C 9	Total/NA	Solid	5035	
890-6186-22	C 10	Total/NA	Solid	5035	
890-6186-23	C 6 - FS	Total/NA	Solid	5035	
890-6186-24	C 3	Total/NA	Solid	5035	
890-6186-25	D 3	Total/NA	Solid	5035	
890-6186-26	D 4	Total/NA	Solid	5035	
890-6186-27	D 5	Total/NA	Solid	5035	
890-6186-28	D 9	Total/NA	Solid	5035	
890-6186-29	D 10	Total/NA	Solid	5035	
890-6186-31	D 12	Total/NA	Solid	5035	
890-6186-32	D 13	Total/NA	Solid	5035	
890-6186-33	D 14	Total/NA	Solid	5035	
890-6186-34	D 16	Total/NA	Solid	5035	
890-6186-35	D 17	Total/NA	Solid	5035	
890-6186-36	D 18	Total/NA	Solid	5035	
890-6186-37	D 19	Total/NA	Solid	5035	
890-6186-38	G 17	Total/NA	Solid	5035	
890-6186-39	G 1	Total/NA	Solid	5035	
890-6186-40	G 4 - FS	Total/NA	Solid	5035	
890-6186-41	G 5 - FS	Total/NA	Solid	5035	
MB 880-73788/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73788/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73788/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC VOA (Continued)

Prep Batch: 73788 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-21 MS	C 9	Total/NA	Solid	5035	
890-6186-21 MSD	C 9	Total/NA	Solid	5035	

Prep Batch: 73789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-42	G 12	Total/NA	Solid	5035	
890-6186-43	G 13	Total/NA	Solid	5035	
890-6186-44	G 14	Total/NA	Solid	5035	
890-6186-45	F 12	Total/NA	Solid	5035	
890-6186-46	F 13	Total/NA	Solid	5035	
890-6186-47	F 14	Total/NA	Solid	5035	
890-6186-48	E 7 - FS	Total/NA	Solid	5035	
890-6186-49	E 8 - NSW	Total/NA	Solid	5035	
890-6186-50	E 11 - NSW	Total/NA	Solid	5035	
890-6186-51	H 5 - FS	Total/NA	Solid	5035	
890-6186-52	H 6 - FS	Total/NA	Solid	5035	
890-6186-53	H 7 - FS	Total/NA	Solid	5035	
890-6186-54	H 8 - FS	Total/NA	Solid	5035	
890-6186-55	I 4 - FS	Total/NA	Solid	5035	
890-6186-56	I 5 - FS	Total/NA	Solid	5035	
890-6186-57	I 6 - FS	Total/NA	Solid	5035	
890-6186-58	I 7 - FS	Total/NA	Solid	5035	
890-6186-59	J 4 - FS	Total/NA	Solid	5035	
890-6186-60	J 7 - FS	Total/NA	Solid	5035	
890-6186-61	K 2	Total/NA	Solid	5035	
MB 880-73789/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73789/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73789/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6186-42 MS	G 12	Total/NA	Solid	5035	
890-6186-42 MSD	G 12	Total/NA	Solid	5035	

Prep Batch: 73793

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-62	K 4 - FS	Total/NA	Solid	5035	
MB 880-73793/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73793/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73793/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6189-A-1-G MS	Matrix Spike	Total/NA	Solid	5035	
890-6189-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73825

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-62	K 4 - FS	Total/NA	Solid	8021B	73793
MB 880-73793/5-A	Method Blank	Total/NA	Solid	8021B	73793
LCS 880-73793/1-A	Lab Control Sample	Total/NA	Solid	8021B	73793
LCSD 880-73793/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73793
890-6189-A-1-G MS	Matrix Spike	Total/NA	Solid	8021B	73793
890-6189-A-1-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73793

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC VOA

Analysis Batch: 73907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-42	G 12	Total/NA	Solid	8021B	73789
890-6186-43	G 13	Total/NA	Solid	8021B	73789
890-6186-44	G 14	Total/NA	Solid	8021B	73789
890-6186-45	F 12	Total/NA	Solid	8021B	73789
890-6186-46	F 13	Total/NA	Solid	8021B	73789
890-6186-47	F 14	Total/NA	Solid	8021B	73789
890-6186-48	E 7 - FS	Total/NA	Solid	8021B	73789
890-6186-49	E 8 - NSW	Total/NA	Solid	8021B	73789
890-6186-50	E 11 - NSW	Total/NA	Solid	8021B	73789
890-6186-51	H 5 - FS	Total/NA	Solid	8021B	73789
890-6186-52	H 6 - FS	Total/NA	Solid	8021B	73789
890-6186-53	H 7 - FS	Total/NA	Solid	8021B	73789
890-6186-54	H 8 - FS	Total/NA	Solid	8021B	73789
890-6186-55	I 4 - FS	Total/NA	Solid	8021B	73789
890-6186-56	I 5 - FS	Total/NA	Solid	8021B	73789
890-6186-57	I 6 - FS	Total/NA	Solid	8021B	73789
890-6186-58	I 7 - FS	Total/NA	Solid	8021B	73789
890-6186-59	J 4 - FS	Total/NA	Solid	8021B	73789
890-6186-60	J 7 - FS	Total/NA	Solid	8021B	73789
890-6186-61	K 2	Total/NA	Solid	8021B	73789
MB 880-73789/5-A	Method Blank	Total/NA	Solid	8021B	73789
MB 880-73912/5-A	Method Blank	Total/NA	Solid	8021B	73912
LCS 880-73789/1-A	Lab Control Sample	Total/NA	Solid	8021B	73789
LCSD 880-73789/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73789
890-6186-42 MS	G 12	Total/NA	Solid	8021B	73789
890-6186-42 MSD	G 12	Total/NA	Solid	8021B	73789

Prep Batch: 73912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-73912/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 73921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	8021B	73787
890-6186-2	E 16	Total/NA	Solid	8021B	73787
890-6186-3	E 15	Total/NA	Solid	8021B	73787
890-6186-4	E 14	Total/NA	Solid	8021B	73787
890-6186-5	E 13	Total/NA	Solid	8021B	73787
890-6186-6	E 12	Total/NA	Solid	8021B	73787
890-6186-7	E 2	Total/NA	Solid	8021B	73787
890-6186-8	B 5	Total/NA	Solid	8021B	73787
890-6186-9	B 5- ESW	Total/NA	Solid	8021B	73787
890-6186-10	B 5- SSW	Total/NA	Solid	8021B	73787
890-6186-11	B 5 - WSW	Total/NA	Solid	8021B	73787
890-6186-12	B 8 - FS	Total/NA	Solid	8021B	73787
890-6186-13	C 8 - FS	Total/NA	Solid	8021B	73787
890-6186-14	D 8 - FS	Total/NA	Solid	8021B	73787
890-6186-15	D 7 - FS	Total/NA	Solid	8021B	73787
890-6186-16	D 6 - FS	Total/NA	Solid	8021B	73787
890-6186-17	B 7 - FS	Total/NA	Solid	8021B	73787
890-6186-18	F 3 - SSW	Total/NA	Solid	8021B	73787

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 73921 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-19	B 9	Total/NA	Solid	8021B	73787
890-6186-20	B 10	Total/NA	Solid	8021B	73787
890-6186-21	C 9	Total/NA	Solid	8021B	73788
890-6186-22	C 10	Total/NA	Solid	8021B	73788
890-6186-23	C 6 - FS	Total/NA	Solid	8021B	73788
890-6186-24	C 3	Total/NA	Solid	8021B	73788
890-6186-25	D 3	Total/NA	Solid	8021B	73788
890-6186-26	D 4	Total/NA	Solid	8021B	73788
890-6186-27	D 5	Total/NA	Solid	8021B	73788
890-6186-28	D 9	Total/NA	Solid	8021B	73788
890-6186-29	D 10	Total/NA	Solid	8021B	73788
890-6186-31	D 12	Total/NA	Solid	8021B	73788
890-6186-32	D 13	Total/NA	Solid	8021B	73788
890-6186-33	D 14	Total/NA	Solid	8021B	73788
890-6186-34	D 16	Total/NA	Solid	8021B	73788
890-6186-35	D 17	Total/NA	Solid	8021B	73788
890-6186-36	D 18	Total/NA	Solid	8021B	73788
890-6186-37	D 19	Total/NA	Solid	8021B	73788
890-6186-38	G 17	Total/NA	Solid	8021B	73788
890-6186-39	G 1	Total/NA	Solid	8021B	73788
890-6186-40	G 4 - FS	Total/NA	Solid	8021B	73788
890-6186-41	G 5 - FS	Total/NA	Solid	8021B	73788
MB 880-73787/5-A	Method Blank	Total/NA	Solid	8021B	73787
MB 880-73788/5-A	Method Blank	Total/NA	Solid	8021B	73788
LCS 880-73787/1-A	Lab Control Sample	Total/NA	Solid	8021B	73787
LCS 880-73788/1-A	Lab Control Sample	Total/NA	Solid	8021B	73788
LCSD 880-73787/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73787
LCSD 880-73788/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73788
890-6186-1 MS	E 17	Total/NA	Solid	8021B	73787
890-6186-1 MSD	E 17	Total/NA	Solid	8021B	73787
890-6186-21 MS	C 9	Total/NA	Solid	8021B	73788
890-6186-21 MSD	C 9	Total/NA	Solid	8021B	73788

Analysis Batch: 74056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	Total BTEX	
890-6186-2	E 16	Total/NA	Solid	Total BTEX	
890-6186-3	E 15	Total/NA	Solid	Total BTEX	
890-6186-4	E 14	Total/NA	Solid	Total BTEX	
890-6186-5	E 13	Total/NA	Solid	Total BTEX	
890-6186-6	E 12	Total/NA	Solid	Total BTEX	
890-6186-7	E 2	Total/NA	Solid	Total BTEX	
890-6186-8	B 5	Total/NA	Solid	Total BTEX	
890-6186-9	B 5- ESW	Total/NA	Solid	Total BTEX	
890-6186-10	B 5- SSW	Total/NA	Solid	Total BTEX	
890-6186-11	B 5 - WSW	Total/NA	Solid	Total BTEX	
890-6186-12	B 8 - FS	Total/NA	Solid	Total BTEX	
890-6186-13	C 8 - FS	Total/NA	Solid	Total BTEX	
890-6186-14	D 8 - FS	Total/NA	Solid	Total BTEX	
890-6186-15	D 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-16	D 6 - FS	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 74056 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-17	B 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-18	F 3 - SSW	Total/NA	Solid	Total BTEX	
890-6186-19	B 9	Total/NA	Solid	Total BTEX	
890-6186-20	B 10	Total/NA	Solid	Total BTEX	
890-6186-21	C 9	Total/NA	Solid	Total BTEX	
890-6186-22	C 10	Total/NA	Solid	Total BTEX	
890-6186-23	C 6 - FS	Total/NA	Solid	Total BTEX	
890-6186-24	C 3	Total/NA	Solid	Total BTEX	
890-6186-25	D 3	Total/NA	Solid	Total BTEX	
890-6186-26	D 4	Total/NA	Solid	Total BTEX	
890-6186-27	D 5	Total/NA	Solid	Total BTEX	
890-6186-28	D 9	Total/NA	Solid	Total BTEX	
890-6186-29	D 10	Total/NA	Solid	Total BTEX	
890-6186-31	D 12	Total/NA	Solid	Total BTEX	
890-6186-32	D 13	Total/NA	Solid	Total BTEX	
890-6186-33	D 14	Total/NA	Solid	Total BTEX	
890-6186-34	D 16	Total/NA	Solid	Total BTEX	
890-6186-35	D 17	Total/NA	Solid	Total BTEX	
890-6186-36	D 18	Total/NA	Solid	Total BTEX	
890-6186-37	D 19	Total/NA	Solid	Total BTEX	
890-6186-38	G 17	Total/NA	Solid	Total BTEX	
890-6186-39	G 1	Total/NA	Solid	Total BTEX	
890-6186-40	G 4 - FS	Total/NA	Solid	Total BTEX	
890-6186-41	G 5 - FS	Total/NA	Solid	Total BTEX	
890-6186-42	G 12	Total/NA	Solid	Total BTEX	
890-6186-43	G 13	Total/NA	Solid	Total BTEX	
890-6186-44	G 14	Total/NA	Solid	Total BTEX	
890-6186-45	F 12	Total/NA	Solid	Total BTEX	
890-6186-46	F 13	Total/NA	Solid	Total BTEX	
890-6186-47	F 14	Total/NA	Solid	Total BTEX	
890-6186-48	E 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-49	E 8 - NSW	Total/NA	Solid	Total BTEX	
890-6186-50	E 11 - NSW	Total/NA	Solid	Total BTEX	
890-6186-51	H 5 - FS	Total/NA	Solid	Total BTEX	
890-6186-52	H 6 - FS	Total/NA	Solid	Total BTEX	
890-6186-53	H 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-54	H 8 - FS	Total/NA	Solid	Total BTEX	
890-6186-55	I 4 - FS	Total/NA	Solid	Total BTEX	
890-6186-56	I 5 - FS	Total/NA	Solid	Total BTEX	
890-6186-57	I 6 - FS	Total/NA	Solid	Total BTEX	
890-6186-58	I 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-59	J 4 - FS	Total/NA	Solid	Total BTEX	
890-6186-60	J 7 - FS	Total/NA	Solid	Total BTEX	
890-6186-61	K 2	Total/NA	Solid	Total BTEX	
890-6186-62	K 4 - FS	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 73439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-61	K 2	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC Semi VOA (Continued)

Prep Batch: 73439 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-62	K 4 - FS	Total/NA	Solid	8015NM Prep	
MB 880-73439/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73439/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73439/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-39505-A-2-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-39505-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Prep Batch: 73440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	8015NM Prep	
890-6186-2	E 16	Total/NA	Solid	8015NM Prep	
890-6186-3	E 15	Total/NA	Solid	8015NM Prep	
890-6186-4	E 14	Total/NA	Solid	8015NM Prep	
890-6186-6	E 12	Total/NA	Solid	8015NM Prep	
890-6186-7	E 2	Total/NA	Solid	8015NM Prep	
890-6186-9	B 5- ESW	Total/NA	Solid	8015NM Prep	
890-6186-10	B 5- SSW	Total/NA	Solid	8015NM Prep	
890-6186-11	B 5 - WSW	Total/NA	Solid	8015NM Prep	
890-6186-12	B 8 - FS	Total/NA	Solid	8015NM Prep	
890-6186-13	C 8 - FS	Total/NA	Solid	8015NM Prep	
890-6186-14	D 8 - FS	Total/NA	Solid	8015NM Prep	
890-6186-15	D 7 - FS	Total/NA	Solid	8015NM Prep	
890-6186-16	D 6 - FS	Total/NA	Solid	8015NM Prep	
890-6186-17	B 7 - FS	Total/NA	Solid	8015NM Prep	
890-6186-18	F 3 - SSW	Total/NA	Solid	8015NM Prep	
890-6186-19	B 9	Total/NA	Solid	8015NM Prep	
890-6186-20	B 10	Total/NA	Solid	8015NM Prep	
MB 880-73440/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73440/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73440/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6186-1 MS	E 17	Total/NA	Solid	8015NM Prep	
890-6186-1 MSD	E 17	Total/NA	Solid	8015NM Prep	

Prep Batch: 73441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-21	C 9	Total/NA	Solid	8015NM Prep	
890-6186-22	C 10	Total/NA	Solid	8015NM Prep	
890-6186-23	C 6 - FS	Total/NA	Solid	8015NM Prep	
890-6186-24	C 3	Total/NA	Solid	8015NM Prep	
890-6186-25	D 3	Total/NA	Solid	8015NM Prep	
890-6186-26	D 4	Total/NA	Solid	8015NM Prep	
890-6186-27	D 5	Total/NA	Solid	8015NM Prep	
890-6186-28	D 9	Total/NA	Solid	8015NM Prep	
890-6186-29	D 10	Total/NA	Solid	8015NM Prep	
890-6186-31	D 12	Total/NA	Solid	8015NM Prep	
890-6186-32	D 13	Total/NA	Solid	8015NM Prep	
890-6186-33	D 14	Total/NA	Solid	8015NM Prep	
890-6186-34	D 16	Total/NA	Solid	8015NM Prep	
890-6186-35	D 17	Total/NA	Solid	8015NM Prep	
890-6186-36	D 18	Total/NA	Solid	8015NM Prep	
890-6186-37	D 19	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC Semi VOA (Continued)

Prep Batch: 73441 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-38	G 17	Total/NA	Solid	8015NM Prep	
890-6186-39	G 1	Total/NA	Solid	8015NM Prep	
890-6186-40	G 4 - FS	Total/NA	Solid	8015NM Prep	
MB 880-73441/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73441/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6186-21 MS	C 9	Total/NA	Solid	8015NM Prep	
890-6186-21 MSD	C 9	Total/NA	Solid	8015NM Prep	

Prep Batch: 73442

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-41	G 5 - FS	Total/NA	Solid	8015NM Prep	
890-6186-42	G 12	Total/NA	Solid	8015NM Prep	
890-6186-43	G 13	Total/NA	Solid	8015NM Prep	
890-6186-44	G 14	Total/NA	Solid	8015NM Prep	
890-6186-49	E 8 - NSW	Total/NA	Solid	8015NM Prep	
890-6186-51	H 5 - FS	Total/NA	Solid	8015NM Prep	
890-6186-52	H 6 - FS	Total/NA	Solid	8015NM Prep	
890-6186-53	H 7 - FS	Total/NA	Solid	8015NM Prep	
890-6186-55	I 4 - FS	Total/NA	Solid	8015NM Prep	
890-6186-56	I 5 - FS	Total/NA	Solid	8015NM Prep	
890-6186-57	I 6 - FS	Total/NA	Solid	8015NM Prep	
890-6186-58	I 7 - FS	Total/NA	Solid	8015NM Prep	
890-6186-59	J 4 - FS	Total/NA	Solid	8015NM Prep	
890-6186-60	J 7 - FS	Total/NA	Solid	8015NM Prep	
MB 880-73442/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73442/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73442/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6186-42 MS	G 12	Total/NA	Solid	8015NM Prep	
890-6186-42 MSD	G 12	Total/NA	Solid	8015NM Prep	

Analysis Batch: 73600

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-61	K 2	Total/NA	Solid	8015B NM	73439
890-6186-62	K 4 - FS	Total/NA	Solid	8015B NM	73439
MB 880-73439/1-A	Method Blank	Total/NA	Solid	8015B NM	73439
LCS 880-73439/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73439
LCSD 880-73439/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73439
880-39505-A-2-B MS	Matrix Spike	Total/NA	Solid	8015B NM	73439
880-39505-A-2-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	73439

Analysis Batch: 73704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	8015B NM	73440
890-6186-2	E 16	Total/NA	Solid	8015B NM	73440
890-6186-3	E 15	Total/NA	Solid	8015B NM	73440
890-6186-4	E 14	Total/NA	Solid	8015B NM	73440
890-6186-6	E 12	Total/NA	Solid	8015B NM	73440
890-6186-7	E 2	Total/NA	Solid	8015B NM	73440
890-6186-9	B 5- ESW	Total/NA	Solid	8015B NM	73440
890-6186-10	B 5- SSW	Total/NA	Solid	8015B NM	73440

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 73704 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-11	B 5 - WSW	Total/NA	Solid	8015B NM	73440
890-6186-12	B 8 - FS	Total/NA	Solid	8015B NM	73440
890-6186-13	C 8 - FS	Total/NA	Solid	8015B NM	73440
890-6186-14	D 8 - FS	Total/NA	Solid	8015B NM	73440
890-6186-15	D 7 - FS	Total/NA	Solid	8015B NM	73440
890-6186-16	D 6 - FS	Total/NA	Solid	8015B NM	73440
890-6186-17	B 7 - FS	Total/NA	Solid	8015B NM	73440
890-6186-18	F 3 - SSW	Total/NA	Solid	8015B NM	73440
890-6186-19	B 9	Total/NA	Solid	8015B NM	73440
890-6186-20	B 10	Total/NA	Solid	8015B NM	73440
890-6186-21	C 9	Total/NA	Solid	8015B NM	73441
890-6186-22	C 10	Total/NA	Solid	8015B NM	73441
890-6186-23	C 6 - FS	Total/NA	Solid	8015B NM	73441
890-6186-24	C 3	Total/NA	Solid	8015B NM	73441
890-6186-25	D 3	Total/NA	Solid	8015B NM	73441
890-6186-26	D 4	Total/NA	Solid	8015B NM	73441
890-6186-27	D 5	Total/NA	Solid	8015B NM	73441
890-6186-28	D 9	Total/NA	Solid	8015B NM	73441
890-6186-29	D 10	Total/NA	Solid	8015B NM	73441
890-6186-31	D 12	Total/NA	Solid	8015B NM	73441
890-6186-32	D 13	Total/NA	Solid	8015B NM	73441
890-6186-33	D 14	Total/NA	Solid	8015B NM	73441
890-6186-34	D 16	Total/NA	Solid	8015B NM	73441
890-6186-35	D 17	Total/NA	Solid	8015B NM	73441
890-6186-36	D 18	Total/NA	Solid	8015B NM	73441
890-6186-37	D 19	Total/NA	Solid	8015B NM	73441
890-6186-38	G 17	Total/NA	Solid	8015B NM	73441
890-6186-39	G 1	Total/NA	Solid	8015B NM	73441
890-6186-40	G 4 - FS	Total/NA	Solid	8015B NM	73441
MB 880-73440/1-A	Method Blank	Total/NA	Solid	8015B NM	73440
MB 880-73441/1-A	Method Blank	Total/NA	Solid	8015B NM	73441
LCS 880-73440/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73440
LCS 880-73441/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73441
LCSD 880-73440/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73440
LCSD 880-73441/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73441
890-6186-1 MS	E 17	Total/NA	Solid	8015B NM	73440
890-6186-1 MSD	E 17	Total/NA	Solid	8015B NM	73440
890-6186-21 MS	C 9	Total/NA	Solid	8015B NM	73441
890-6186-21 MSD	C 9	Total/NA	Solid	8015B NM	73441

Analysis Batch: 73706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-41	G 5 - FS	Total/NA	Solid	8015B NM	73442
890-6186-42	G 12	Total/NA	Solid	8015B NM	73442
890-6186-43	G 13	Total/NA	Solid	8015B NM	73442
890-6186-44	G 14	Total/NA	Solid	8015B NM	73442
890-6186-49	E 8 - NSW	Total/NA	Solid	8015B NM	73442
890-6186-51	H 5 - FS	Total/NA	Solid	8015B NM	73442
890-6186-52	H 6 - FS	Total/NA	Solid	8015B NM	73442
890-6186-53	H 7 - FS	Total/NA	Solid	8015B NM	73442
890-6186-55	I 4 - FS	Total/NA	Solid	8015B NM	73442

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 73706 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-56	I 5 - FS	Total/NA	Solid	8015B NM	73442
890-6186-57	I 6 - FS	Total/NA	Solid	8015B NM	73442
890-6186-58	I 7 - FS	Total/NA	Solid	8015B NM	73442
890-6186-59	J 4 - FS	Total/NA	Solid	8015B NM	73442
890-6186-60	J 7 - FS	Total/NA	Solid	8015B NM	73442
MB 880-73442/1-A	Method Blank	Total/NA	Solid	8015B NM	73442
LCS 880-73442/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73442
LCSD 880-73442/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73442
890-6186-42 MS	G 12	Total/NA	Solid	8015B NM	73442
890-6186-42 MSD	G 12	Total/NA	Solid	8015B NM	73442

Analysis Batch: 73768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Total/NA	Solid	8015 NM	
890-6186-2	E 16	Total/NA	Solid	8015 NM	
890-6186-3	E 15	Total/NA	Solid	8015 NM	
890-6186-4	E 14	Total/NA	Solid	8015 NM	
890-6186-5	E 13	Total/NA	Solid	8015 NM	
890-6186-6	E 12	Total/NA	Solid	8015 NM	
890-6186-7	E 2	Total/NA	Solid	8015 NM	
890-6186-8	B 5	Total/NA	Solid	8015 NM	
890-6186-9	B 5- ESW	Total/NA	Solid	8015 NM	
890-6186-10	B 5- SSW	Total/NA	Solid	8015 NM	
890-6186-11	B 5 - WSW	Total/NA	Solid	8015 NM	
890-6186-12	B 8 - FS	Total/NA	Solid	8015 NM	
890-6186-13	C 8 - FS	Total/NA	Solid	8015 NM	
890-6186-14	D 8 - FS	Total/NA	Solid	8015 NM	
890-6186-15	D 7 - FS	Total/NA	Solid	8015 NM	
890-6186-16	D 6 - FS	Total/NA	Solid	8015 NM	
890-6186-17	B 7 - FS	Total/NA	Solid	8015 NM	
890-6186-18	F 3 - SSW	Total/NA	Solid	8015 NM	
890-6186-19	B 9	Total/NA	Solid	8015 NM	
890-6186-20	B 10	Total/NA	Solid	8015 NM	
890-6186-21	C 9	Total/NA	Solid	8015 NM	
890-6186-22	C 10	Total/NA	Solid	8015 NM	
890-6186-23	C 6 - FS	Total/NA	Solid	8015 NM	
890-6186-24	C 3	Total/NA	Solid	8015 NM	
890-6186-25	D 3	Total/NA	Solid	8015 NM	
890-6186-26	D 4	Total/NA	Solid	8015 NM	
890-6186-27	D 5	Total/NA	Solid	8015 NM	
890-6186-28	D 9	Total/NA	Solid	8015 NM	
890-6186-29	D 10	Total/NA	Solid	8015 NM	
890-6186-31	D 12	Total/NA	Solid	8015 NM	
890-6186-32	D 13	Total/NA	Solid	8015 NM	
890-6186-33	D 14	Total/NA	Solid	8015 NM	
890-6186-34	D 16	Total/NA	Solid	8015 NM	
890-6186-35	D 17	Total/NA	Solid	8015 NM	
890-6186-36	D 18	Total/NA	Solid	8015 NM	
890-6186-37	D 19	Total/NA	Solid	8015 NM	
890-6186-38	G 17	Total/NA	Solid	8015 NM	
890-6186-39	G 1	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 73768 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-40	G 4 - FS	Total/NA	Solid	8015 NM	
890-6186-41	G 5 - FS	Total/NA	Solid	8015 NM	
890-6186-42	G 12	Total/NA	Solid	8015 NM	
890-6186-43	G 13	Total/NA	Solid	8015 NM	
890-6186-44	G 14	Total/NA	Solid	8015 NM	
890-6186-45	F 12	Total/NA	Solid	8015 NM	
890-6186-46	F 13	Total/NA	Solid	8015 NM	
890-6186-47	F 14	Total/NA	Solid	8015 NM	
890-6186-48	E 7 - FS	Total/NA	Solid	8015 NM	
890-6186-49	E 8 - NSW	Total/NA	Solid	8015 NM	
890-6186-50	E 11 - NSW	Total/NA	Solid	8015 NM	
890-6186-51	H 5 - FS	Total/NA	Solid	8015 NM	
890-6186-52	H 6 - FS	Total/NA	Solid	8015 NM	
890-6186-53	H 7 - FS	Total/NA	Solid	8015 NM	
890-6186-54	H 8 - FS	Total/NA	Solid	8015 NM	
890-6186-55	I 4 - FS	Total/NA	Solid	8015 NM	
890-6186-56	I 5 - FS	Total/NA	Solid	8015 NM	
890-6186-57	I 6 - FS	Total/NA	Solid	8015 NM	
890-6186-58	I 7 - FS	Total/NA	Solid	8015 NM	
890-6186-59	J 4 - FS	Total/NA	Solid	8015 NM	
890-6186-60	J 7 - FS	Total/NA	Solid	8015 NM	
890-6186-61	K 2	Total/NA	Solid	8015 NM	
890-6186-62	K 4 - FS	Total/NA	Solid	8015 NM	

Prep Batch: 73922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-5	E 13	Total/NA	Solid	8015NM Prep	
890-6186-8	B 5	Total/NA	Solid	8015NM Prep	
890-6186-45	F 12	Total/NA	Solid	8015NM Prep	
890-6186-46	F 13	Total/NA	Solid	8015NM Prep	
890-6186-47	F 14	Total/NA	Solid	8015NM Prep	
890-6186-48	E 7 - FS	Total/NA	Solid	8015NM Prep	
890-6186-50	E 11 - NSW	Total/NA	Solid	8015NM Prep	
890-6186-54	H 8 - FS	Total/NA	Solid	8015NM Prep	
MB 880-73922/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-73922/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-73922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	

Analysis Batch: 74120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-5	E 13	Total/NA	Solid	8015B NM	73922
890-6186-8	B 5	Total/NA	Solid	8015B NM	73922
890-6186-45	F 12	Total/NA	Solid	8015B NM	73922
890-6186-46	F 13	Total/NA	Solid	8015B NM	73922
890-6186-47	F 14	Total/NA	Solid	8015B NM	73922
890-6186-48	E 7 - FS	Total/NA	Solid	8015B NM	73922
890-6186-50	E 11 - NSW	Total/NA	Solid	8015B NM	73922
890-6186-54	H 8 - FS	Total/NA	Solid	8015B NM	73922
MB 880-73922/1-A	Method Blank	Total/NA	Solid	8015B NM	73922
LCS 880-73922/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	73922
LCSD 880-73922/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	73922

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

HPLC/IC

Leach Batch: 73323

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Soluble	Solid	DI Leach	
890-6186-2	E 16	Soluble	Solid	DI Leach	
890-6186-3	E 15	Soluble	Solid	DI Leach	
890-6186-4	E 14	Soluble	Solid	DI Leach	
890-6186-5	E 13	Soluble	Solid	DI Leach	
MB 880-73323/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73323/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73323/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6186-1 MS	E 17	Soluble	Solid	DI Leach	
890-6186-1 MSD	E 17	Soluble	Solid	DI Leach	

Leach Batch: 73324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-6	E 12	Soluble	Solid	DI Leach	
890-6186-7	E 2	Soluble	Solid	DI Leach	
890-6186-8	B 5	Soluble	Solid	DI Leach	
890-6186-9	B 5- ESW	Soluble	Solid	DI Leach	
890-6186-10	B 5- SSW	Soluble	Solid	DI Leach	
890-6186-11	B 5 - WSW	Soluble	Solid	DI Leach	
890-6186-12	B 8 - FS	Soluble	Solid	DI Leach	
890-6186-13	C 8 - FS	Soluble	Solid	DI Leach	
890-6186-14	D 8 - FS	Soluble	Solid	DI Leach	
890-6186-15	D 7 - FS	Soluble	Solid	DI Leach	
890-6186-16	D 6 - FS	Soluble	Solid	DI Leach	
890-6186-17	B 7 - FS	Soluble	Solid	DI Leach	
890-6186-18	F 3 - SSW	Soluble	Solid	DI Leach	
890-6186-19	B 9	Soluble	Solid	DI Leach	
890-6186-20	B 10	Soluble	Solid	DI Leach	
890-6186-21	C 9	Soluble	Solid	DI Leach	
890-6186-22	C 10	Soluble	Solid	DI Leach	
890-6186-23	C 6 - FS	Soluble	Solid	DI Leach	
890-6186-24	C 3	Soluble	Solid	DI Leach	
890-6186-25	D 3	Soluble	Solid	DI Leach	
MB 880-73324/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73324/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73324/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6186-6 MS	E 12	Soluble	Solid	DI Leach	
890-6186-6 MSD	E 12	Soluble	Solid	DI Leach	
890-6186-16 MS	D 6 - FS	Soluble	Solid	DI Leach	
890-6186-16 MSD	D 6 - FS	Soluble	Solid	DI Leach	

Leach Batch: 73325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-26	D 4	Soluble	Solid	DI Leach	
890-6186-27	D 5	Soluble	Solid	DI Leach	
890-6186-28	D 9	Soluble	Solid	DI Leach	
890-6186-29	D 10	Soluble	Solid	DI Leach	
890-6186-31	D 12	Soluble	Solid	DI Leach	
890-6186-32	D 13	Soluble	Solid	DI Leach	
890-6186-33	D 14	Soluble	Solid	DI Leach	
890-6186-34	D 16	Soluble	Solid	DI Leach	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

HPLC/IC (Continued)

Leach Batch: 73325 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-35	D 17	Soluble	Solid	DI Leach	
890-6186-36	D 18	Soluble	Solid	DI Leach	
890-6186-37	D 19	Soluble	Solid	DI Leach	
890-6186-38	G 17	Soluble	Solid	DI Leach	
890-6186-39	G 1	Soluble	Solid	DI Leach	
890-6186-40	G 4 - FS	Soluble	Solid	DI Leach	
890-6186-41	G 5 - FS	Soluble	Solid	DI Leach	
890-6186-42	G 12	Soluble	Solid	DI Leach	
890-6186-43	G 13	Soluble	Solid	DI Leach	
890-6186-44	G 14	Soluble	Solid	DI Leach	
890-6186-45	F 12	Soluble	Solid	DI Leach	
MB 880-73325/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73325/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73325/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6186-26 MS	D 4	Soluble	Solid	DI Leach	
890-6186-26 MSD	D 4	Soluble	Solid	DI Leach	
890-6186-37 MS	D 19	Soluble	Solid	DI Leach	
890-6186-37 MSD	D 19	Soluble	Solid	DI Leach	

Leach Batch: 73327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-46	F 13	Soluble	Solid	DI Leach	
890-6186-47	F 14	Soluble	Solid	DI Leach	
890-6186-48	E 7 - FS	Soluble	Solid	DI Leach	
890-6186-49	E 8 - NSW	Soluble	Solid	DI Leach	
890-6186-50	E 11 - NSW	Soluble	Solid	DI Leach	
890-6186-51	H 5 - FS	Soluble	Solid	DI Leach	
890-6186-52	H 6 - FS	Soluble	Solid	DI Leach	
890-6186-53	H 7 - FS	Soluble	Solid	DI Leach	
890-6186-54	H 8 - FS	Soluble	Solid	DI Leach	
890-6186-55	I 4 - FS	Soluble	Solid	DI Leach	
890-6186-56	I 5 - FS	Soluble	Solid	DI Leach	
890-6186-57	I 6 - FS	Soluble	Solid	DI Leach	
890-6186-58	I 7 - FS	Soluble	Solid	DI Leach	
890-6186-59	J 4 - FS	Soluble	Solid	DI Leach	
890-6186-60	J 7 - FS	Soluble	Solid	DI Leach	
890-6186-61	K 2	Soluble	Solid	DI Leach	
890-6186-62	K 4 - FS	Soluble	Solid	DI Leach	
MB 880-73327/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-73327/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-73327/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6186-46 MS	F 13	Soluble	Solid	DI Leach	
890-6186-46 MSD	F 13	Soluble	Solid	DI Leach	
890-6186-56 MS	I 5 - FS	Soluble	Solid	DI Leach	
890-6186-56 MSD	I 5 - FS	Soluble	Solid	DI Leach	

Analysis Batch: 73451

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-1	E 17	Soluble	Solid	300.0	73323
890-6186-2	E 16	Soluble	Solid	300.0	73323
890-6186-3	E 15	Soluble	Solid	300.0	73323

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 73451 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-4	E 14	Soluble	Solid	300.0	73323
890-6186-5	E 13	Soluble	Solid	300.0	73323
MB 880-73323/1-A	Method Blank	Soluble	Solid	300.0	73323
LCS 880-73323/2-A	Lab Control Sample	Soluble	Solid	300.0	73323
LCSD 880-73323/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73323
890-6186-1 MS	E 17	Soluble	Solid	300.0	73323
890-6186-1 MSD	E 17	Soluble	Solid	300.0	73323

Analysis Batch: 73452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-6	E 12	Soluble	Solid	300.0	73324
890-6186-7	E 2	Soluble	Solid	300.0	73324
890-6186-8	B 5	Soluble	Solid	300.0	73324
890-6186-9	B 5- ESW	Soluble	Solid	300.0	73324
890-6186-10	B 5- SSW	Soluble	Solid	300.0	73324
890-6186-11	B 5 - WSW	Soluble	Solid	300.0	73324
890-6186-12	B 8 - FS	Soluble	Solid	300.0	73324
890-6186-13	C 8 - FS	Soluble	Solid	300.0	73324
890-6186-14	D 8 - FS	Soluble	Solid	300.0	73324
890-6186-15	D 7 - FS	Soluble	Solid	300.0	73324
890-6186-16	D 6 - FS	Soluble	Solid	300.0	73324
890-6186-17	B 7 - FS	Soluble	Solid	300.0	73324
890-6186-18	F 3 - SSW	Soluble	Solid	300.0	73324
890-6186-19	B 9	Soluble	Solid	300.0	73324
890-6186-20	B 10	Soluble	Solid	300.0	73324
890-6186-21	C 9	Soluble	Solid	300.0	73324
890-6186-22	C 10	Soluble	Solid	300.0	73324
890-6186-23	C 6 - FS	Soluble	Solid	300.0	73324
890-6186-24	C 3	Soluble	Solid	300.0	73324
890-6186-25	D 3	Soluble	Solid	300.0	73324
MB 880-73324/1-A	Method Blank	Soluble	Solid	300.0	73324
LCS 880-73324/2-A	Lab Control Sample	Soluble	Solid	300.0	73324
LCSD 880-73324/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73324
890-6186-6 MS	E 12	Soluble	Solid	300.0	73324
890-6186-6 MSD	E 12	Soluble	Solid	300.0	73324
890-6186-16 MS	D 6 - FS	Soluble	Solid	300.0	73324
890-6186-16 MSD	D 6 - FS	Soluble	Solid	300.0	73324

Analysis Batch: 73453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-26	D 4	Soluble	Solid	300.0	73325
890-6186-27	D 5	Soluble	Solid	300.0	73325
890-6186-28	D 9	Soluble	Solid	300.0	73325
890-6186-29	D 10	Soluble	Solid	300.0	73325
890-6186-31	D 12	Soluble	Solid	300.0	73325
890-6186-32	D 13	Soluble	Solid	300.0	73325
890-6186-33	D 14	Soluble	Solid	300.0	73325
890-6186-34	D 16	Soluble	Solid	300.0	73325
890-6186-35	D 17	Soluble	Solid	300.0	73325
890-6186-36	D 18	Soluble	Solid	300.0	73325
890-6186-37	D 19	Soluble	Solid	300.0	73325

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 73453 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-38	G 17	Soluble	Solid	300.0	73325
890-6186-39	G 1	Soluble	Solid	300.0	73325
890-6186-40	G 4 - FS	Soluble	Solid	300.0	73325
890-6186-41	G 5 - FS	Soluble	Solid	300.0	73325
890-6186-42	G 12	Soluble	Solid	300.0	73325
890-6186-43	G 13	Soluble	Solid	300.0	73325
890-6186-44	G 14	Soluble	Solid	300.0	73325
890-6186-45	F 12	Soluble	Solid	300.0	73325
MB 880-73325/1-A	Method Blank	Soluble	Solid	300.0	73325
LCS 880-73325/2-A	Lab Control Sample	Soluble	Solid	300.0	73325
LCSD 880-73325/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73325
890-6186-26 MS	D 4	Soluble	Solid	300.0	73325
890-6186-26 MSD	D 4	Soluble	Solid	300.0	73325
890-6186-37 MS	D 19	Soluble	Solid	300.0	73325
890-6186-37 MSD	D 19	Soluble	Solid	300.0	73325

Analysis Batch: 73455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6186-46	F 13	Soluble	Solid	300.0	73327
890-6186-47	F 14	Soluble	Solid	300.0	73327
890-6186-48	E 7 - FS	Soluble	Solid	300.0	73327
890-6186-49	E 8 - NSW	Soluble	Solid	300.0	73327
890-6186-50	E 11 - NSW	Soluble	Solid	300.0	73327
890-6186-51	H 5 - FS	Soluble	Solid	300.0	73327
890-6186-52	H 6 - FS	Soluble	Solid	300.0	73327
890-6186-53	H 7 - FS	Soluble	Solid	300.0	73327
890-6186-54	H 8 - FS	Soluble	Solid	300.0	73327
890-6186-55	I 4 - FS	Soluble	Solid	300.0	73327
890-6186-56	I 5 - FS	Soluble	Solid	300.0	73327
890-6186-57	I 6 - FS	Soluble	Solid	300.0	73327
890-6186-58	I 7 - FS	Soluble	Solid	300.0	73327
890-6186-59	J 4 - FS	Soluble	Solid	300.0	73327
890-6186-60	J 7 - FS	Soluble	Solid	300.0	73327
890-6186-61	K 2	Soluble	Solid	300.0	73327
890-6186-62	K 4 - FS	Soluble	Solid	300.0	73327
MB 880-73327/1-A	Method Blank	Soluble	Solid	300.0	73327
LCS 880-73327/2-A	Lab Control Sample	Soluble	Solid	300.0	73327
LCSD 880-73327/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	73327
890-6186-46 MS	F 13	Soluble	Solid	300.0	73327
890-6186-46 MSD	F 13	Soluble	Solid	300.0	73327
890-6186-56 MS	I 5 - FS	Soluble	Solid	300.0	73327
890-6186-56 MSD	I 5 - FS	Soluble	Solid	300.0	73327

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 17

Lab Sample ID: 890-6186-1
Matrix: Solid
Date Collected: 02/14/24 08:32
Date Received: 02/14/24 15:25

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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/23/24 22:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/23/24 22:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 10:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 10:28	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73323	02/16/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1			73451	02/19/24 17:55	CH	EET MID

Client Sample ID: E 16

Lab Sample ID: 890-6186-2
Matrix: Solid
Date Collected: 02/14/24 08:34
Date Received: 02/14/24 15:25

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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/23/24 22:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/23/24 22:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 11:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 11:38	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73323	02/16/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1			73451	02/19/24 18:09	CH	EET MID

Client Sample ID: E 15

Lab Sample ID: 890-6186-3
Matrix: Solid
Date Collected: 02/14/24 08:36
Date Received: 02/14/24 15:25

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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/23/24 23:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/23/24 23:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 12:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73323	02/16/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1			73451	02/19/24 18:14	CH	EET MID

Client Sample ID: E 14

Lab Sample ID: 890-6186-4
Matrix: Solid
Date Collected: 02/14/24 08:38
Date Received: 02/14/24 15:25

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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/23/24 23:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/23/24 23:42	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 14
Date Collected: 02/14/24 08:38
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-4
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			73768	02/21/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73323	02/16/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1			73451	02/19/24 18:18	CH	EET MID

Client Sample ID: E 13
Date Collected: 02/14/24 08:40
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-5
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			5.01 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 00:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 00:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/27/24 22:55	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/27/24 22:55	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73323	02/16/24 09:09	SA	EET MID
Soluble	Analysis	300.0		1			73451	02/19/24 18:23	CH	EET MID

Client Sample ID: E 12
Date Collected: 02/14/24 08:42
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-6
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			5.05 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 00:36	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 00:36	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 13:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 13:15	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 15:41	CH	EET MID

Client Sample ID: E 2
Date Collected: 02/14/24 08:46
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-7
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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 01:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 01:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 13:40	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 13:40	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 2
Date Collected: 02/14/24 08:46
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-7
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			4.95 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:01	CH	EET MID

Client Sample ID: B 5
Date Collected: 02/14/24 08:50
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 01:29	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 01:29	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/27/24 23:17	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/27/24 23:17	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:08	CH	EET MID

Client Sample ID: B 5- ESW
Date Collected: 02/14/24 08:54
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-9
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			5.01 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 01:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 01:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 14:29	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:14	CH	EET MID

Client Sample ID: B 5- SSW
Date Collected: 02/14/24 08:56
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-10
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			5.05 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 02:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 14:54	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 14:54	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:21	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 5 - WSW
Date Collected: 02/14/24 08:58
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-11
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			5.00 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 04:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 04:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 15:43	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:41	CH	EET MID

Client Sample ID: B 8 - FS
Date Collected: 02/14/24 09:00
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-12
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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 04:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 04:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:48	CH	EET MID

Client Sample ID: C 8 - FS
Date Collected: 02/14/24 09:02
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-13
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			4.98 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 05:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 05:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 16:34	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 16:34	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 16:55	CH	EET MID

Client Sample ID: D 8 - FS
Date Collected: 02/14/24 09:04
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-14
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			4.96 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 05:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 05:28	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 8 - FS
Date Collected: 02/14/24 09:04
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-14
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			73768	02/21/24 16:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 16:59	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 17:02	CH	EET MID

Client Sample ID: D 7 - FS
Date Collected: 02/14/24 09:06
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-15
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			4.97 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 05:55	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 05:55	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 17:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 17:24	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 17:08	CH	EET MID

Client Sample ID: D 6 - FS
Date Collected: 02/14/24 09:08
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-16
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			4.98 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 06:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 06:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 17:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 17:15	CH	EET MID

Client Sample ID: B 7 - FS
Date Collected: 02/14/24 09:10
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-17
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 06:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 06:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 18:14	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: B 7 - FS
Date Collected: 02/14/24 09:10
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-17
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	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 17:35	CH	EET MID

Client Sample ID: F 3 - SSW
Date Collected: 02/14/24 09:13
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-18
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			5.03 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 07:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 07:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 18:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 18:38	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 17:42	CH	EET MID

Client Sample ID: B 9
Date Collected: 02/14/24 09:20
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-19
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 07:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 07:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 19:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:02	CH	EET MID

Client Sample ID: B 10
Date Collected: 02/14/24 09:22
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-20
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	73787	02/21/24 12:48	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 08:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 08:09	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 19:26	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73440	02/19/24 09:10	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 19:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:09	CH	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 9
Date Collected: 02/14/24 09:24
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-21
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	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 12:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 12:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 21:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 21:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:16	CH	EET MID

Client Sample ID: C 10
Date Collected: 02/14/24 09:26
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-22
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			4.98 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 12:38	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 12:38	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 22:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 22:38	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:22	CH	EET MID

Client Sample ID: C 6 - FS
Date Collected: 02/14/24 09:28
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-23
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			4.96 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 13:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 13:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 23:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 23:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:29	CH	EET MID

Client Sample ID: C 3
Date Collected: 02/14/24 09:30
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-24
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			5.03 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 13:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 13:31	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: C 3
Date Collected: 02/14/24 09:30
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-24
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			73768	02/21/24 23:25	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 23:25	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:36	CH	EET MID

Client Sample ID: D 3
Date Collected: 02/14/24 09:40
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-25
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	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 13:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 13:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 23:49	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/21/24 23:49	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73324	02/16/24 09:11	SA	EET MID
Soluble	Analysis	300.0		1			73452	02/19/24 18:43	CH	EET MID

Client Sample ID: D 4
Date Collected: 02/14/24 09:42
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-26
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 14:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 14:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 00:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 00:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 19:37	CH	EET MID

Client Sample ID: D 5
Date Collected: 02/14/24 09:44
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 14:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 14:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 00:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 00:36	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 5

Date Collected: 02/14/24 09:44
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-27
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.97 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 19:57	CH	EET MID

Client Sample ID: D 9

Date Collected: 02/14/24 09:46
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-28
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 15:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 15:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 00:59	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 00:59	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:04	CH	EET MID

Client Sample ID: D 10

Date Collected: 02/14/24 09:48
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 15:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 15:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 01:23	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 01:23	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:10	CH	EET MID

Client Sample ID: D 12

Date Collected: 02/14/24 09:52
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-31
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 16:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 16:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 01:46	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 01:46	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:17	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 13
Date Collected: 02/14/24 09:54
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-32
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 18:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 18:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 02:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 02:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:37	CH	EET MID

Client Sample ID: D 14
Date Collected: 02/14/24 09:56
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-33
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 18:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 18:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 02:55	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 02:55	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:44	CH	EET MID

Client Sample ID: D 16
Date Collected: 02/14/24 09:58
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-34
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 18:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 18:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 03:18	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 03:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:51	CH	EET MID

Client Sample ID: D 17
Date Collected: 02/14/24 10:00
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-35
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 19:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 19:21	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: D 17

Lab Sample ID: 890-6186-35
Matrix: Solid
Date Collected: 02/14/24 10:00
Date Received: 02/14/24 15:25

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			73768	02/22/24 03:42	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 03:42	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 20:58	CH	EET MID

Client Sample ID: D 18

Lab Sample ID: 890-6186-36
Matrix: Solid
Date Collected: 02/14/24 10:02
Date Received: 02/14/24 15:25

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	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 19:48	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 19:48	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 04:04	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 04:04	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 21:04	CH	EET MID

Client Sample ID: D 19

Lab Sample ID: 890-6186-37
Matrix: Solid
Date Collected: 02/14/24 10:04
Date Received: 02/14/24 15:25

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	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 20:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 20:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 04:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 04:27	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 21:11	CH	EET MID

Client Sample ID: G 17

Lab Sample ID: 890-6186-38
Matrix: Solid
Date Collected: 02/14/24 10:10
Date Received: 02/14/24 15:25

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	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 20:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 20:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 04:50	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 04:50	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 17
Date Collected: 02/14/24 10:10
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 21:31	CH	EET MID

Client Sample ID: G 1
Date Collected: 02/14/24 10:20
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 21:08	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 21:08	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 05:13	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 05:13	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 21:38	CH	EET MID

Client Sample ID: G 4 - FS
Date Collected: 02/14/24 10:24
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 21:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 21:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/22/24 05:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	73441	02/19/24 09:13	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73704	02/22/24 05:36	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 21:58	CH	EET MID

Client Sample ID: G 5 - FS
Date Collected: 02/14/24 10:26
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-41
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73788	02/21/24 13:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73921	02/24/24 22:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 22:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 11:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 11:38	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 22:05	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: G 12

Lab Sample ID: 890-6186-42

Date Collected: 02/14/24 10:28
Matrix: Solid
Date Received: 02/14/24 15:25

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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 01:19	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 01:19	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 10:28	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 10:28	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 22:12	CH	EET MID

Client Sample ID: G 13

Lab Sample ID: 890-6186-43

Date Collected: 02/14/24 10:30
Matrix: Solid
Date Received: 02/14/24 15:25

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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 01:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 01:40	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 12:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 12:02	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 22:19	CH	EET MID

Client Sample ID: G 14

Lab Sample ID: 890-6186-44

Date Collected: 02/14/24 10:32
Matrix: Solid
Date Received: 02/14/24 15:25

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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 02:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 02:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 12:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 22:25	CH	EET MID

Client Sample ID: F 12

Lab Sample ID: 890-6186-45

Date Collected: 02/14/24 10:34
Matrix: Solid
Date Received: 02/14/24 15:25

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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 02:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 02:22	SM	EET MID

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: F 12
Date Collected: 02/14/24 10:34
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			73768	02/27/24 23:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/27/24 23:39	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73325	02/16/24 09:13	SA	EET MID
Soluble	Analysis	300.0		1			73453	02/19/24 22:32	CH	EET MID

Client Sample ID: F 13
Date Collected: 02/14/24 10:36
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 02:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 02:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/28/24 00:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/28/24 00:01	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/19/24 23:28	CH	EET MID

Client Sample ID: F 14
Date Collected: 02/14/24 10:38
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 03:03	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 03:03	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/28/24 00:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/28/24 00:23	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/19/24 23:48	CH	EET MID

Client Sample ID: E 7 - FS
Date Collected: 02/14/24 10:44
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 03:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 03:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/28/24 00:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/28/24 00:45	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: E 7 - FS
Date Collected: 02/14/24 10:44
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-48
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			5.00 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/19/24 23:55	CH	EET MID

Client Sample ID: E 8 - NSW
Date Collected: 02/14/24 10:50
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.95 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 03:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 03:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 14:29	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 14:29	SM	EET MID
Soluble	Leach	DI Leach			5.00 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:01	CH	EET MID

Client Sample ID: E 11 - NSW
Date Collected: 02/14/24 10:54
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 04:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 04:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/28/24 01:08	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/28/24 01:08	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:08	CH	EET MID

Client Sample ID: H 5 - FS
Date Collected: 02/14/24 10:56
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 04:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 04:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 15:43	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 15:43	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:28	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: H 6 - FS
Date Collected: 02/14/24 11:00
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-52
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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 05:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 05:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 16:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 16:09	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:35	CH	EET MID

Client Sample ID: H 7 - FS
Date Collected: 02/14/24 11:02
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-53
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	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 06:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 06:12	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 16:34	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 16:34	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:42	CH	EET MID

Client Sample ID: H 8 - FS
Date Collected: 02/14/24 11:04
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-54
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 06:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 06:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/28/24 01:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	73922	02/23/24 11:52	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	74120	02/28/24 01:52	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:48	CH	EET MID

Client Sample ID: I 4 - FS
Date Collected: 02/14/24 11:10
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 06:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 06:54	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: I 4 - FS
Date Collected: 02/14/24 11:10
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-55
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			73768	02/21/24 17:24	SM	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 17:24	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 00:55	CH	EET MID

Client Sample ID: I 5 - FS
Date Collected: 02/14/24 11:12
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-56
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 07:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 07:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 17:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 01:02	CH	EET MID

Client Sample ID: I 6 - FS
Date Collected: 02/14/24 11:14
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-57
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.98 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 07:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 07:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 18:14	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 18:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 01:22	CH	EET MID

Client Sample ID: I 7 - FS
Date Collected: 02/14/24 11:16
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-58
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 07:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 07:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 18:38	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 18:38	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: I 7 - FS
Date Collected: 02/14/24 11:16
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-58
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	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 01:29	CH	EET MID

Client Sample ID: J 4 - FS
Date Collected: 02/14/24 11:20
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-59
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 08:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 08:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 19:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 19:02	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 01:49	CH	EET MID

Client Sample ID: J 7 - FS
Date Collected: 02/14/24 11:22
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-60
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 08:37	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 08:37	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 19:26	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	73442	02/19/24 09:19	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73706	02/21/24 19:26	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 01:56	CH	EET MID

Client Sample ID: K 2
Date Collected: 02/14/24 11:24
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-61
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	73789	02/21/24 13:08	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73907	02/24/24 08:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 08:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 03:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 03:00	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 02:03	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Client Sample ID: K 4 - FS

Date Collected: 02/14/24 11:26
Date Received: 02/14/24 15:25

Lab Sample ID: 890-6186-62

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	73793	02/21/24 13:54	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73825	02/24/24 02:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			74056	02/24/24 02:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			73768	02/21/24 03:23	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	73439	02/19/24 09:07	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	73600	02/21/24 03:23	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	73327	02/16/24 09:21	SA	EET MID
Soluble	Analysis	300.0		1			73455	02/20/24 02:09	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6186-1	E 17	Solid	02/14/24 08:32	02/14/24 15:25	1.5'
890-6186-2	E 16	Solid	02/14/24 08:34	02/14/24 15:25	1.5'
890-6186-3	E 15	Solid	02/14/24 08:36	02/14/24 15:25	1.5'
890-6186-4	E 14	Solid	02/14/24 08:38	02/14/24 15:25	1.5'
890-6186-5	E 13	Solid	02/14/24 08:40	02/14/24 15:25	1.5'
890-6186-6	E 12	Solid	02/14/24 08:42	02/14/24 15:25	1.5'
890-6186-7	E 2	Solid	02/14/24 08:46	02/14/24 15:25	1.5'
890-6186-8	B 5	Solid	02/14/24 08:50	02/14/24 15:25	2.5'
890-6186-9	B 5- ESW	Solid	02/14/24 08:54	02/14/24 15:25	2.5'
890-6186-10	B 5- SSW	Solid	02/14/24 08:56	02/14/24 15:25	2.5'
890-6186-11	B 5 - WSW	Solid	02/14/24 08:58	02/14/24 15:25	2.5'
890-6186-12	B 8 - FS	Solid	02/14/24 09:00	02/14/24 15:25	2'
890-6186-13	C 8 - FS	Solid	02/14/24 09:02	02/14/24 15:25	2'
890-6186-14	D 8 - FS	Solid	02/14/24 09:04	02/14/24 15:25	2'
890-6186-15	D 7 - FS	Solid	02/14/24 09:06	02/14/24 15:25	2'
890-6186-16	D 6 - FS	Solid	02/14/24 09:08	02/14/24 15:25	2'
890-6186-17	B 7 - FS	Solid	02/14/24 09:10	02/14/24 15:25	2'
890-6186-18	F 3 - SSW	Solid	02/14/24 09:13	02/14/24 15:25	0 - 4'
890-6186-19	B 9	Solid	02/14/24 09:20	02/14/24 15:25	0.5'
890-6186-20	B 10	Solid	02/14/24 09:22	02/14/24 15:25	0.5'
890-6186-21	C 9	Solid	02/14/24 09:24	02/14/24 15:25	0.5'
890-6186-22	C 10	Solid	02/14/24 09:26	02/14/24 15:25	0.5'
890-6186-23	C 6 - FS	Solid	02/14/24 09:28	02/14/24 15:25	2'
890-6186-24	C 3	Solid	02/14/24 09:30	02/14/24 15:25	1'
890-6186-25	D 3	Solid	02/14/24 09:40	02/14/24 15:25	0.5'
890-6186-26	D 4	Solid	02/14/24 09:42	02/14/24 15:25	0.5'
890-6186-27	D 5	Solid	02/14/24 09:44	02/14/24 15:25	0.5'
890-6186-28	D 9	Solid	02/14/24 09:46	02/14/24 15:25	0.5'
890-6186-29	D 10	Solid	02/14/24 09:48	02/14/24 15:25	0.5'
890-6186-31	D 12	Solid	02/14/24 09:52	02/14/24 15:25	0.5'
890-6186-32	D 13	Solid	02/14/24 09:54	02/14/24 15:25	0.5'
890-6186-33	D 14	Solid	02/14/24 09:56	02/14/24 15:25	0.5'
890-6186-34	D 16	Solid	02/14/24 09:58	02/14/24 15:25	0.5'
890-6186-35	D 17	Solid	02/14/24 10:00	02/14/24 15:25	0.5'
890-6186-36	D 18	Solid	02/14/24 10:02	02/14/24 15:25	0.5'
890-6186-37	D 19	Solid	02/14/24 10:04	02/14/24 15:25	0.5'
890-6186-38	G 17	Solid	02/14/24 10:10	02/14/24 15:25	1.5'
890-6186-39	G 1	Solid	02/14/24 10:20	02/14/24 15:25	0.5'
890-6186-40	G 4 - FS	Solid	02/14/24 10:24	02/14/24 15:25	2'
890-6186-41	G 5 - FS	Solid	02/14/24 10:26	02/14/24 15:25	2'
890-6186-42	G 12	Solid	02/14/24 10:28	02/14/24 15:25	2.5'
890-6186-43	G 13	Solid	02/14/24 10:30	02/14/24 15:25	2.5'
890-6186-44	G 14	Solid	02/14/24 10:32	02/14/24 15:25	2.5'
890-6186-45	F 12	Solid	02/14/24 10:34	02/14/24 15:25	0.5'
890-6186-46	F 13	Solid	02/14/24 10:36	02/14/24 15:25	0.5'
890-6186-47	F 14	Solid	02/14/24 10:38	02/14/24 15:25	0.5'
890-6186-48	E 7 - FS	Solid	02/14/24 10:44	02/14/24 15:25	6'
890-6186-49	E 8 - NSW	Solid	02/14/24 10:50	02/14/24 15:25	0 - 5.5'
890-6186-50	E 11 - NSW	Solid	02/14/24 10:54	02/14/24 15:25	0 - 5.5'
890-6186-51	H 5 - FS	Solid	02/14/24 10:56	02/14/24 15:25	2.5'
890-6186-52	H 6 - FS	Solid	02/14/24 11:00	02/14/24 15:25	2.5'
890-6186-53	H 7 - FS	Solid	02/14/24 11:02	02/14/24 15:25	2.5'
890-6186-54	H 8 - FS	Solid	02/14/24 11:04	02/14/24 15:25	2.5'
890-6186-55	I 4 - FS	Solid	02/14/24 11:10	02/14/24 15:25	2.5'

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: MOBLEY TO TROVE

Job ID: 890-6186-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6186-56	I 5 - FS	Solid	02/14/24 11:12	02/14/24 15:25	2.5'
890-6186-57	I 6 - FS	Solid	02/14/24 11:14	02/14/24 15:25	2.5'
890-6186-58	I 7 - FS	Solid	02/14/24 11:16	02/14/24 15:25	2.5'
890-6186-59	J 4 - FS	Solid	02/14/24 11:20	02/14/24 15:25	2.5'
890-6186-60	J 7 - FS	Solid	02/14/24 11:22	02/14/24 15:25	2.5'
890-6186-61	K 2	Solid	02/14/24 11:24	02/14/24 15:25	2.5'
890-6186-62	K 4 - FS	Solid	02/14/24 11:26	02/14/24 15:25	0.5'

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Work Order No: _____

www.xenco.com Page 1 of 2

Project Manager:	Travis Casey	Bill to: (if different)	Solaris
~~Company~~ Name:	Terracon	Company Name:	Rob Kirk
Address:	4526 W. Pierce	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	KH247007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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:	TNM007	
Cooler Custody Seals:	Yes No (N/A)	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	5.8	
Total Containers:		Corrected Temperature:	5.6	

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

890-6186 Chain of Custody

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH	BTEX	Chlorides	Sample Comments
E17	S	2-14	0832	1.5	comp	1	X	X	X	
E16			0834	1.5		1				
E15			0836	1.5		1				
E14			0838	1.5		1				
E13			0840	1.5		1				
E12			0842	1.5		1				
E2			0846	1.5		1				
B5			0850	2.5		1				
B5-ESW			0854	2.5		1				
B5-SSW			0856	2.5		1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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		2/14/24	2 1525		
3			4		
5			6		

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Work Order No: _____

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Project Manager:	Travis Casey	Bill to: (if different)	Solaris
Company Name:	Terracon	Company Name:	Rob Kirk
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley 60 Trove	Turn Around	
Project Number:	1CH247007	☐Routine ☐Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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	TPH	BTEX	Chlorides	Sample Comments
B5-WSW	S	2-14	0858	2.5'	Comp	1		X	X	X	
B8-FS			0900	2'		1					
C8-FS			0902	2'		1					
D8-FS			0904	2'		1					
D7-FS			0906	2'		1					
D6-FS			0908	2'		1					
B7-FS			0910	2'		1					
F3-SSW			0913	0-1'		1					
B9-			0920	0.5'		1					
B10			0922	0.5'		1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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		2/14/24	1525		
3			4		
5			6		

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Work Order No: _____

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Project Manager:	Travis Casey	Bill to: (if different)	Solaris
Company Name:	Tetra Tech	Company Name:	Rob Clark
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley Lo Trove	Turn Around	
Project Number:	1C1T247007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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: TPH	BTEX	Chloride	Sample Comments
C9	S	2-14	0924	0.5'	Comp	1		X	X	X	
C10	"	"	0926	0.5'	"	1		"	"	"	
C6-FS	"	"	0928	2'	"	1		"	"	"	
C3	"	"	0930	1'	"	1		"	"	"	
D3	"	"	0940	0.5'	"	1		"	"	"	
D4	"	"	0942	0.5'	"	1		"	"	"	
D5	"	"	0944	0.5'	"	1		"	"	"	
D9	"	"	0946	0.5'	"	1		"	"	"	
D10	"	"	0948	0.5'	"	1		"	"	"	
D11	"	"	0950	0.5'	"	1		"	"	"	

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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					
3			4		
5			6		

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Work Order No: _____

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Project Manager:	Travis Casey	Bill to: (if different)	Ro Solaris
Company Name:	Tetra Tech	Company Name:	Rob Kirk
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	1C1124 7007	☐Routine ☐Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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	Parameters: TPH	BTEX	Chlorides	Sample Comments
D12	S	2-14	0952	0.5'	Comp	1	X	X	X	
D13			0954	0.5'		1				
D14			0956	0.5'		1				
D16			0958	0.5'		1				
D17			1000	0.5'		1				
D18			1002	0.5'		1				
D19			1004	0.5'		1				
C17			1010	1.5'		1				
G1			1020	0.5'		1				
G4-FS			1024	2'		1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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			2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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~~Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199~~

Work Order No: _____

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Project Manager:	Travis Cusey	Bill to: (if different)	Solaris
Company Name:	Terracon	~~Company Name:~~	Rob Kirk
Address:	4526 W Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	1C1T217007	☐Routine ☐Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Cusey	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: TPH	BTEX	Chlorides	Sample Comments
G5-FS	S	2-14	1026	2'	Comp	1		X	X	X	
G12			1028	2.5'		1					
G13			1030	2.5'		1					
G14			1032	2.5'		1					
F12			1034	0.5'		1					
F13			1036	0.5'		1					
F14			1038	0.5'		1					
E7-FS			1044	6'		1					
E8-NSW			1050	0-5.5		1					
E11-NSW			1054	0-5.5'		1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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	2		2		
3	4		4		
5	6		6		

Revised Date: 08/25/2020 Rev. 2020.2

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Work Order No: _____

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Project Manager:	Travis Cusey	Bill to: (if different)	Solaris
Company Name:	Terracon	~~Company Name:~~	Rob Kirk
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	1C1124 7007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Cusey	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	Parameters: TPH	BTEX	Chlorides	Sample Comments
H5-FS	S	2-14	1056	2.5	Comp	1	X	X	X	
H6-FS			1100			1				
H7-FS			1102			1				
H8-FS			1104			1				
I4-FS			1110			1				
I5-FS			1112			1				
I6-FS			1114			1				
I7-FS			1116			1				
J4-FS			1120			1				
J7-FS			1122			1				

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

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

Revised Date: 08/25/2020 Rev. 2020.2

Released to Imaging: 8/15/2024 3:54:37 PM
Received by OCD: 8/8/2024 8:33:35 AM

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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 7 of 7

Project Manager:	Travis Casey	Bill to: (if different)	Solaris
Company Name:	Ferracon	Company Name:	Rob Kirk
Address:	4526 W. Piarca St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley 60 Trove	Turn Around	
Project Number:	1C1247007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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	Parameters: TPH	BTEX	Chlorides	Sample Comments
IC2	S	2-14	1124	2.5	Comp	1	X	X	X	
IC4-FS	S	2-14	1126	0.5	Comp	1	X	X	X	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	2 Brun 8	2/14/24 15 25	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6186-1
SDG Number: KH247007

Login Number: 6186
List Number: 1
Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6186-1
SDG Number: KH247007

Login Number: 6186
List Number: 2
Creator: Wheeler, Jazmine

List Source: Eurofins Midland
List Creation: 02/16/24 11:11 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 3/18/2024 1:24:31 PM

JOB DESCRIPTION

Mobley to Trove
Eddy

JOB NUMBER

890-6348-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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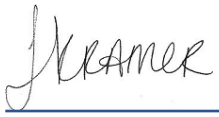
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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3/18/2024 1:24:31 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6348-1
SDG: Eddy

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Qualifiers

GC VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*1	LCS/LCSD RPD exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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: Terracon Consulting Eng & Scientists Job ID: 890-6348-1
Project: Mobley to Trove

Job ID: 890-6348-1 **Eurofins Carlsbad**

Job Narrative
890-6348-1

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

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

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

Receipt
The samples were received on 3/13/2024 10:06 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.2°C.

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: B 5.2 SSW (890-6348-1), B 5.2 FS (890-6348-2) and F 14.2 FS (890-6348-3).

GC VOA
Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-75646 and analytical batch 880-75669 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 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-75647 and analytical batch 880-75655 was outside the upper control limits.

Method 8015MOD_NM: LCS suppressed due to instrument malfunction.

(LCS 880-75647/2-A)

Method 8015MOD_NM: The laboratory control sample (LCS) associated with preparation batch 880-75647 and analytical batch 880-75655 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.

HPLC/IC
Method 300_ORGFM_28D - Soluble: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-75563 and analytical batch 880-75644 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.

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Client Sample ID: B 5.2 SSW

Lab Sample ID: 890-6348-1
Matrix: Solid
Date Collected: 03/12/24 11:35
Date Received: 03/13/24 10:06
Sample Depth: 0 - 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U *1	0.00199		mg/Kg		03/14/24 16:32	03/15/24 17:49	1
Ethylbenzene	<0.00199	U *1	0.00199		mg/Kg		03/14/24 16:32	03/15/24 17:49	1
Toluene	<0.00199	U *- *1	0.00199		mg/Kg		03/14/24 16:32	03/15/24 17:49	1
Xylenes, Total	<0.00398	U *- *1	0.00398		mg/Kg		03/14/24 16:32	03/15/24 17:49	1
m-Xylene & p-Xylene	<0.00398	U *1	0.00398		mg/Kg		03/14/24 16:32	03/15/24 17:49	1
o-Xylene	<0.00199	U *-	0.00199		mg/Kg		03/14/24 16:32	03/15/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 130*	*03/14/24 16:32*	*03/15/24 17:49*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*03/14/24 16:32*	*03/15/24 17:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			03/15/24 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			03/15/24 22:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U *- *1	50.4		mg/Kg		03/14/24 16:42	03/15/24 22:39	1
Diesel Range Organics (Over C10-C28)	<50.4	U *- *1	50.4		mg/Kg		03/14/24 16:42	03/15/24 22:39	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		03/14/24 16:42	03/15/24 22:39	1
Total TPH	<50.4	U	50.4		mg/Kg		03/14/24 16:42	03/15/24 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*03/14/24 16:42*	*03/15/24 22:39*	*1*
o-Terphenyl	*87*		*70 - 130*	*03/14/24 16:42*	*03/15/24 22:39*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**288**		25.2		mg/Kg			03/14/24 22:55	5

Client Sample ID: B 5.2 FS

Lab Sample ID: 890-6348-2
Matrix: Solid
Date Collected: 03/12/24 12:11
Date Received: 03/13/24 10:06
Sample Depth: 2.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U *1	0.00200		mg/Kg		03/14/24 16:32	03/15/24 18:10	1
Ethylbenzene	<0.00200	U *1	0.00200		mg/Kg		03/14/24 16:32	03/15/24 18:10	1
Toluene	<0.00200	U *- *1	0.00200		mg/Kg		03/14/24 16:32	03/15/24 18:10	1
Xylenes, Total	<0.00399	U *- *1	0.00399		mg/Kg		03/14/24 16:32	03/15/24 18:10	1
m-Xylene & p-Xylene	<0.00399	U *1	0.00399		mg/Kg		03/14/24 16:32	03/15/24 18:10	1
o-Xylene	<0.00200	U *-	0.00200		mg/Kg		03/14/24 16:32	03/15/24 18:10	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Client Sample ID: B 5.2 FS

Date Collected: 03/12/24 12:11
Date Received: 03/13/24 10:06
Sample Depth: 2.5'

Lab Sample ID: 890-6348-2

Matrix: Solid

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*03/14/24 16:32*	*03/15/24 18:10*	*1*
1,4-Difluorobenzene (Surr)	*113*		*70 - 130*	*03/14/24 16:32*	*03/15/24 18:10*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			03/15/24 18:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			03/15/24 23:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U *- *1	50.5		mg/Kg		03/14/24 16:42	03/15/24 23:00	1
Diesel Range Organics (Over C10-C28)	<50.5	U *- *1	50.5		mg/Kg		03/14/24 16:42	03/15/24 23:00	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		03/14/24 16:42	03/15/24 23:00	1
Total TPH	<50.5	U	50.5		mg/Kg		03/14/24 16:42	03/15/24 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*109*		*70 - 130*	*03/14/24 16:42*	*03/15/24 23:00*	*1*
o-Terphenyl	*90*		*70 - 130*	*03/14/24 16:42*	*03/15/24 23:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**316**		25.1		mg/Kg			03/14/24 23:00	5

Client Sample ID: F 14.2 FS

Date Collected: 03/12/24 13:24
Date Received: 03/13/24 10:06
Sample Depth: 0.5'

Lab Sample ID: 890-6348-3

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U *1	0.00201		mg/Kg		03/14/24 16:32	03/15/24 18:30	1
Ethylbenzene	<0.00201	U *1	0.00201		mg/Kg		03/14/24 16:32	03/15/24 18:30	1
Toluene	<0.00201	U *- *1	0.00201		mg/Kg		03/14/24 16:32	03/15/24 18:30	1
Xylenes, Total	<0.00402	U *- *1	0.00402		mg/Kg		03/14/24 16:32	03/15/24 18:30	1
m-Xylene & p-Xylene	<0.00402	U *1	0.00402		mg/Kg		03/14/24 16:32	03/15/24 18:30	1
o-Xylene	<0.00201	U *-	0.00201		mg/Kg		03/14/24 16:32	03/15/24 18:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*03/14/24 16:32*	*03/15/24 18:30*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*03/14/24 16:32*	*03/15/24 18:30*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			03/15/24 18:30	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Client Sample ID: F 14.2 FS
Date Collected: 03/12/24 13:24
Date Received: 03/13/24 10:06
Sample Depth: 0.5'

Lab Sample ID: 890-6348-3
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			03/15/24 23:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.5	U *- *1	49.5		mg/Kg		03/14/24 16:43	03/15/24 23:42	1
Diesel Range Organics (Over C10-C28)	<49.5	U *- *1	49.5		mg/Kg		03/14/24 16:43	03/15/24 23:42	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		03/14/24 16:43	03/15/24 23:42	1
Total TPH	<49.5	U	49.5		mg/Kg		03/14/24 16:43	03/15/24 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*100*		*70 - 130*	*03/14/24 16:43*	*03/15/24 23:42*	*1*
o-Terphenyl	*85*		*70 - 130*	*03/14/24 16:43*	*03/15/24 23:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**91.7**		5.02		mg/Kg			03/14/24 23:06	1

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-6345-A-17-C MS	Matrix Spike	116	97
890-6345-A-17-D MSD	Matrix Spike Duplicate	109	98
890-6348-1	B 5.2 SSW	110	112
890-6348-2	B 5.2 FS	105	113
890-6348-3	F 14.2 FS	107	111
LCS 880-75646/1-A	Lab Control Sample	100	106
LCSD 880-75646/2-A	Lab Control Sample Dup	105	102
MB 880-75646/5-A	Method Blank	124	126

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
890-6345-A-20-E MS	Matrix Spike	104	71
890-6345-A-20-F MSD	Matrix Spike Duplicate	97	71
890-6348-1	B 5.2 SSW	105	87
890-6348-2	B 5.2 FS	109	90
890-6348-3	F 14.2 FS	100	85
LCS 880-75647/2-A	Lab Control Sample	26 S1-	22 S1-
LCSD 880-75647/3-A	Lab Control Sample Dup	91	90
MB 880-75647/1-A	Method Blank	168 S1+	152 S1+

Surrogate Legend

1CO = 1-Chlorooctane
OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-75646/5-A
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75646

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/14/24 16:32	03/15/24 12:05	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/14/24 16:32	03/15/24 12:05	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/14/24 16:32	03/15/24 12:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/14/24 16:32	03/15/24 12:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*03/14/24 16:32*	*03/15/24 12:05*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*03/14/24 16:32*	*03/15/24 12:05*	*1*

Lab Sample ID: LCS 880-75646/1-A
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1174		mg/Kg		117	70 - 130
Ethylbenzene	0.100	0.1278		mg/Kg		128	70 - 130
Toluene	0.100	0.1174		mg/Kg		117	70 - 130
m-Xylene & p-Xylene	0.200	0.2537		mg/Kg		127	70 - 130
o-Xylene	0.100	0.08144		mg/Kg		81	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 880-75646/2-A
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.07806	*1	mg/Kg		78	70 - 130	40	35
Ethylbenzene	0.100	0.07618	*1	mg/Kg		76	70 - 130	51	35
Toluene	0.100	0.06733	*- *1	mg/Kg		67	70 - 130	54	35
m-Xylene & p-Xylene	0.200	0.1404	*1	mg/Kg		70	70 - 130	58	35
o-Xylene	0.100	0.06604	*-	mg/Kg		66	70 - 130	21	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: 890-6345-A-17-C MS
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00199	U *1	0.0996	0.1187		mg/Kg		119	70 - 130
Ethylbenzene	<0.00199	U *1	0.0996	0.1089		mg/Kg		109	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

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

Lab Sample ID: 890-6345-A-17-C MS
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00199	U *- *1	0.0996	0.1057		mg/Kg		106	70 - 130
m-Xylene & p-Xylene	<0.00398	U *1	0.199	0.2062		mg/Kg		104	70 - 130
o-Xylene	<0.00199	U *-	0.0996	0.1004		mg/Kg		101	70 - 130

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

Lab Sample ID: 890-6345-A-17-D MSD
Matrix: Solid
Analysis Batch: 75669

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 75646

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00199	U *1	0.100	0.1141		mg/Kg		114	70 - 130	4	35
Ethylbenzene	<0.00199	U *1	0.100	0.1039		mg/Kg		104	70 - 130	5	35
Toluene	<0.00199	U *- *1	0.100	0.1020		mg/Kg		102	70 - 130	4	35
m-Xylene & p-Xylene	<0.00398	U *1	0.200	0.1888		mg/Kg		94	70 - 130	9	35
o-Xylene	<0.00199	U *-	0.100	0.1044		mg/Kg		104	70 - 130	4	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*

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

Lab Sample ID: MB 880-75647/1-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 75647

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/14/24 16:40	03/15/24 18:07	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/14/24 16:40	03/15/24 18:07	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/14/24 16:40	03/15/24 18:07	1
Total TPH	<50.0	U	50.0		mg/Kg		03/14/24 16:40	03/15/24 18:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*168*	*S1+*	*70 - 130*	*03/14/24 16:40*	*03/15/24 18:07*	*1*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*03/14/24 16:40*	*03/15/24 18:07*	*1*

Lab Sample ID: LCS 880-75647/2-A
Matrix: Solid
Analysis Batch: 75655

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 75647

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	370.8	*-	mg/Kg		37	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

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

Lab Sample ID: LCS 880-75647/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75655 — **Prep Batch: 75647**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (Over C10-C28)			1000	254.1	*-	mg/Kg		25	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*26*	*S1-*	*70 - 130*
o-Terphenyl	*22*	*S1-*	*70 - 130*

Lab Sample ID: LCSD 880-75647/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75655 — **Prep Batch: 75647**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	801.2	*1	mg/Kg		80	70 - 130	73	20
Diesel Range Organics (Over C10-C28)			1000	978.1	*1	mg/Kg		98	70 - 130	118	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1-Chlorooctane	*91*		*70 - 130*
o-Terphenyl	*90*		*70 - 130*

Lab Sample ID: 890-6345-A-20-E MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75655 — **Prep Batch: 75647**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<49.7	U *- *1	1010	931.2		mg/Kg		91	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	1010	1217		mg/Kg		121	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1-Chlorooctane	*104*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

Lab Sample ID: 890-6345-A-20-F MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 75655 — **Prep Batch: 75647**

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	<49.7	U *- *1	1010	866.5		mg/Kg		84	70 - 130	7	20
Diesel Range Organics (Over C10-C28)	<49.7	U *- *1	1010	1165		mg/Kg		116	70 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*97*		*70 - 130*
o-Terphenyl	*71*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-75563/1-A
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			03/14/24 20:41	1

Lab Sample ID: LCS 880-75563/2-A
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	248.1		mg/Kg		99	90 - 110		

Lab Sample ID: LCSD 880-75563/3-A
Matrix: Solid
Analysis Batch: 75644

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	247.5		mg/Kg		99	90 - 110	0	20

Lab Sample ID: 890-6346-A-1-B MS
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	823		249	1063		mg/Kg		96	90 - 110		

Lab Sample ID: 890-6346-A-1-C MSD
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	823		249	1060		mg/Kg		95	90 - 110	0	20

Lab Sample ID: 890-6346-A-11-B MS
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	2790	F1	2480	5742	F1	mg/Kg		119	90 - 110		

Lab Sample ID: 890-6346-A-11-C MSD
Matrix: Solid
Analysis Batch: 75644

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2790	F1	2480	5734	F1	mg/Kg		119	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

GC VOA

Prep Batch: 75646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	5035	
890-6348-2	B 5.2 FS	Total/NA	Solid	5035	
890-6348-3	F 14.2 FS	Total/NA	Solid	5035	
MB 880-75646/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-75646/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-75646/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6345-A-17-C MS	Matrix Spike	Total/NA	Solid	5035	
890-6345-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 75669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	8021B	75646
890-6348-2	B 5.2 FS	Total/NA	Solid	8021B	75646
890-6348-3	F 14.2 FS	Total/NA	Solid	8021B	75646
MB 880-75646/5-A	Method Blank	Total/NA	Solid	8021B	75646
LCS 880-75646/1-A	Lab Control Sample	Total/NA	Solid	8021B	75646
LCSD 880-75646/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	75646
890-6345-A-17-C MS	Matrix Spike	Total/NA	Solid	8021B	75646
890-6345-A-17-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	75646

Analysis Batch: 75835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	Total BTEX	
890-6348-2	B 5.2 FS	Total/NA	Solid	Total BTEX	
890-6348-3	F 14.2 FS	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 75647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	8015NM Prep	
890-6348-2	B 5.2 FS	Total/NA	Solid	8015NM Prep	
890-6348-3	F 14.2 FS	Total/NA	Solid	8015NM Prep	
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6345-A-20-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-6345-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 75655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	8015B NM	75647
890-6348-2	B 5.2 FS	Total/NA	Solid	8015B NM	75647
890-6348-3	F 14.2 FS	Total/NA	Solid	8015B NM	75647
MB 880-75647/1-A	Method Blank	Total/NA	Solid	8015B NM	75647
LCS 880-75647/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	75647
LCSD 880-75647/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	75647
890-6345-A-20-E MS	Matrix Spike	Total/NA	Solid	8015B NM	75647
890-6345-A-20-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	75647

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

GC Semi VOA

Analysis Batch: 75892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Total/NA	Solid	8015 NM	
890-6348-2	B 5.2 FS	Total/NA	Solid	8015 NM	
890-6348-3	F 14.2 FS	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 75563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Soluble	Solid	DI Leach	
890-6348-2	B 5.2 FS	Soluble	Solid	DI Leach	
890-6348-3	F 14.2 FS	Soluble	Solid	DI Leach	
MB 880-75563/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-75563/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-75563/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6346-A-1-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6346-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	
890-6346-A-11-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6346-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 75644

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6348-1	B 5.2 SSW	Soluble	Solid	300.0	75563
890-6348-2	B 5.2 FS	Soluble	Solid	300.0	75563
890-6348-3	F 14.2 FS	Soluble	Solid	300.0	75563
MB 880-75563/1-A	Method Blank	Soluble	Solid	300.0	75563
LCS 880-75563/2-A	Lab Control Sample	Soluble	Solid	300.0	75563
LCSD 880-75563/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	75563
890-6346-A-1-B MS	Matrix Spike	Soluble	Solid	300.0	75563
890-6346-A-1-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	75563
890-6346-A-11-B MS	Matrix Spike	Soluble	Solid	300.0	75563
890-6346-A-11-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	75563

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Client Sample ID: B 5.2 SSW

Lab Sample ID: 890-6348-1
Matrix: Solid
Date Collected: 03/12/24 11:35
Date Received: 03/13/24 10:06

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 17:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75835	03/15/24 17:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			75892	03/15/24 22:39	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	75647	03/14/24 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 22:39	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	75563	03/14/24 08:00	SA	EET MID
Soluble	Analysis	300.0		5			75644	03/14/24 22:55	CH	EET MID

Client Sample ID: B 5.2 FS

Lab Sample ID: 890-6348-2
Matrix: Solid
Date Collected: 03/12/24 12:11
Date Received: 03/13/24 10:06

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 18:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75835	03/15/24 18:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			75892	03/15/24 23:00	SM	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	75647	03/14/24 16:42	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 23:00	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	75563	03/14/24 08:00	SA	EET MID
Soluble	Analysis	300.0		5			75644	03/14/24 23:00	CH	EET MID

Client Sample ID: F 14.2 FS

Lab Sample ID: 890-6348-3
Matrix: Solid
Date Collected: 03/12/24 13:24
Date Received: 03/13/24 10:06

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	75646	03/14/24 16:32	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	75669	03/15/24 18:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			75835	03/15/24 18:30	SM	EET MID
Total/NA	Analysis	8015 NM		1			75892	03/15/24 23:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	75647	03/14/24 16:43	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	75655	03/15/24 23:42	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	75563	03/14/24 08:00	SA	EET MID
Soluble	Analysis	300.0		1			75644	03/14/24 23:06	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Job ID: 890-6348-1
Project/Site: Mobley to Trove
SDG: Eddy

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6348-1
SDG: Eddy

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6348-1	B 5.2 SSW	Solid	03/12/24 11:35	03/13/24 10:06	0 - 2.5'
890-6348-2	B 5.2 FS	Solid	03/12/24 12:11	03/13/24 10:06	2.5'
890-6348-3	F 14.2 FS	Solid	03/12/24 13:24	03/13/24 10:06	0.5'

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3/18/2024

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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 1

Project Manager:	Joseph Guesnier	Bill to: (if different)	Rob Kirk
Company Name:	Terracon	Company Name:	Solaris Midstream LLC
Address:	4526 W. Pierce St	Address:	707 Tradewind Blvd Ste B
City, State ZIP:	Carlsbad NM, 88220	City, State ZIP:	Midland, TX, 79706
Phone:	(806)-300-0140	Email:	Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.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:	Mobley to Trove	Turn Around	☑ Routine ☐ Rush
Project Number:	KH247007	Due Date:	
Project Location:	Eddy	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Gus Sanchez		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	1.4
Total Containers:		Corrected Temperature:	1.2

ANALYSIS REQUEST

890-6348 Chain of Custody

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	Chloride (EPA 300)	BTEX (8021 B)	TPH (8015)	Sample Comments
B5.2 SSW		3-12-24	11:35	0-2.5'	Comp		✓	✓	✓	
B5.2 FS		3-12-24	12:11	2.5'	Comp		✓	✓	✓	
F14.2 FS		3-12-24	13:24	0.5'	Comp		✓	✓	✓	

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1		3/13 1096	4		
3			6		
5					

Revised Date: 08/25/2020 Rev. 2020.2

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Received by OCD: 8/8/2024 8:33:35 AM

Released to Imaging: 8/15/2024 3:54:37 PM

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6348-1
SDG Number: Eddy

Login Number: 6348
List Number: 1
Creator: Bruns, Shannon

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: Terracon Consulting Eng & Scientists

Job Number: 890-6348-1
SDG Number: Eddy

Login Number: 6348
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 03/14/24 11:08 AM

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Joseph Guesnier
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

Generated 2/12/2024 6:35:33 PM

JOB DESCRIPTION

Mobley to Trove
KH247007

JOB NUMBER

890-6063-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

Released to Imaging: 8/13/2024 3:34:57 PM

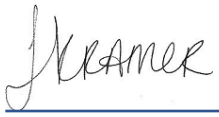
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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2/12/2024 6:35:33 PM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6063-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
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)

Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TNTC	Too Numerous To Count

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6063-1
Project: Mobley to Trove

Job ID: 890-6063-1 Eurofins Carlsbad

Job Narrative
890-6063-1

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

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

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

Receipt
The samples were received on 1/29/2024 5:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: A - 7 1' (890-6063-1), A - 7 2' (890-6063-2), A - 9 1' (890-6063-3), A - 9 2.5' (890-6063-4), A - 9 3' (890-6063-5), B - 9 0.5' (890-6063-6), B - 9 2' (890-6063-7), B - 9 4' (890-6063-8), B - 7 0.5' (890-6063-9), B - 7 2' (890-6063-10), B - 7 4' (890-6063-11), B - 11 1' (890-6063-12), B - 11 3' (890-6063-13), C - 13 1' (890-6063-14), C - 13 3' (890-6063-15), D - 10 0.5' (890-6063-16), D - 10 2' (890-6063-17), D - 10 4' (890-6063-18), C - 8 0.5' (890-6063-19), C - 8 2' (890-6063-20), C - 8 4' (890-6063-21), E - 12 0.5' (890-6063-22), E - 12 2' (890-6063-23), E - 12 4' (890-6063-24), F - 15 0.5' (890-6063-25), F - 15 2' (890-6063-26), F - 15 4' (890-6063-27), D - 15 0.5' (890-6063-28), D - 15 2' (890-6063-29), D - 15 4' (890-6063-30), G - 12 0.5' (890-6063-31), G - 12 2' (890-6063-32), G - 12 4' (890-6063-33), D - 17 0.5' (890-6063-34), D - 17 2' (890-6063-35), D - 17 4' (890-6063-36), D - 6 0.5' (890-6063-37), D - 6 2' (890-6063-38), D - 6 4' (890-6063-39), D - 19 0.5' (890-6063-40), D - 19 2' (890-6063-41), D - 19 4' (890-6063-42), C - 17 1' (890-6063-43), C - 17 3' (890-6063-44), C - 15 1' (890-6063-45) and C - 15 3' (890-6063-46).

Analysis for for the following samples were put on hold by the client on <DATE>: A - 7 1' (890-6063-1), A - 7 2' (890-6063-2), A - 9 1' (890-6063-3), A - 9 2.5' (890-6063-4), A - 9 3' (890-6063-5), B - 9 0.5' (890-6063-6), B - 9 2' (890-6063-7), B - 9 4' (890-6063-8), B - 7 0.5' (890-6063-9), B - 7 2' (890-6063-10), B - 7 4' (890-6063-11), B - 11 1' (890-6063-12), B - 11 3' (890-6063-13), C - 13 1' (890-6063-14), C - 13 3' (890-6063-15), D - 10 0.5' (890-6063-16), D - 10 2' (890-6063-17), D - 10 4' (890-6063-18), C - 8 0.5' (890-6063-19), C - 8 2' (890-6063-20), C - 8 4' (890-6063-21), E - 12 0.5' (890-6063-22), E - 12 2' (890-6063-23), E - 12 4' (890-6063-24), F - 15 0.5' (890-6063-25), F - 15 2' (890-6063-26), F - 15 4' (890-6063-27), D - 15 0.5' (890-6063-28), D - 15 2' (890-6063-29), D - 15 4' (890-6063-30), G - 12 0.5' (890-6063-31), G - 12 2' (890-6063-32), G - 12 4' (890-6063-33), D - 17 0.5' (890-6063-34), D - 17 2' (890-6063-35), D - 17 4' (890-6063-36), D - 6 0.5' (890-6063-37), D - 6 2' (890-6063-38), D - 6 4' (890-6063-39), D - 19 0.5' (890-6063-40), D - 19 2' (890-6063-41), D - 19 4' (890-6063-42), C - 17 1' (890-6063-43), C - 17 3' (890-6063-44), C - 15 1' (890-6063-45) and C - 15 3' (890-6063-46). This analysis was originally requested on the chain-of-custody (COC).

GC VOA
Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-72602 and analytical batch 880-72754 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-72602 and analytical batch 880-72754 was outside the upper control limits.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-72754 recovered under the lower control limit for o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: The laboratory control sample (LCS) associated with preparation batch 880-72735 and analytical batch 880-72706 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.

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6063-1
Project: Mobley to Trove

Job ID: 890-6063-1 (Continued) Eurofins Carlsbad

Method 8021B: Surrogate recovery for the following samples were outside control limits: A - 7 1' (890-6063-1), B - 11 1' (890-6063-12) and C - 13 1' (890-6063-14). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following samples were outside control limits: C - 17 1' (890-6063-43), C - 15 1' (890-6063-45), C - 15 3' (890-6063-46), (LCS 880-72507/1-A), (LCSD 880-72507/2-A) and (880-38637-A-21-E). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-72507 and analytical batch 880-72703 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

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

GC Semi VOA

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 870-17830 and analytical batch 870-17833 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-6063-A-28-F MS) and (890-6063-A-28-G MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside control limits: (890-6063-A-1-H MS) and (890-6063-A-1-I MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8015MOD_NM: Surrogate recovery for the following samples were outside the upper control limit: A - 7 1' (890-6063-1), A - 7 2' (890-6063-2), A - 9 1' (890-6063-3), A - 9 3' (890-6063-5), B - 9 0.5' (890-6063-6), B - 9 4' (890-6063-8), B - 7 4' (890-6063-11), B - 11 1' (890-6063-12), B - 11 3' (890-6063-13), C - 13 1' (890-6063-14), C - 13 3' (890-6063-15), D - 10 0.5' (890-6063-16), D - 10 4' (890-6063-18), C - 8 0.5' (890-6063-19), C - 8 4' (890-6063-21), E - 12 0.5' (890-6063-22), E - 12 4' (890-6063-24), F - 15 0.5' (890-6063-25) and F - 15 4' (890-6063-27). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

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

HPLC/IC

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-71976 and analytical batch 880-72283 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.

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 7 1'

Lab Sample ID: 890-6063-1
Matrix: Solid
Date Collected: 01/29/24 11:26
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:42	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:42	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/09/24 22:42	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/09/24 22:42	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 11:36*	*02/09/24 22:42*	*1*
1,4-Difluorobenzene (Surr)	*65*	*S1-*	*70 - 130*	*02/09/24 11:36*	*02/09/24 22:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/09/24 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/07/24 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 08:31	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 08:31	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 08:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*150*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 08:31*	*1*
1-Chlorooctane	*132*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 08:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**215**		5.00		mg/Kg			02/04/24 21:08	1

Client Sample ID: A - 7 2'

Lab Sample ID: 890-6063-2
Matrix: Solid
Date Collected: 01/29/24 11:30
Date Received: 01/29/24 17:00
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:02	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:02	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:02	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/09/24 23:02	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/09/24 23:02	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:02*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:02*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 7 2'

Lab Sample ID: 890-6063-2
Matrix: Solid
Date Collected: 01/29/24 11:30
Date Received: 01/29/24 17:00
Sample Depth: 2'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/24 23:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/07/24 09:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		02/02/24 15:46	02/07/24 09:33	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/02/24 15:46	02/07/24 09:33	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/02/24 15:46	02/07/24 09:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*148*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 09:33*	*1*
1-Chlorooctane	*130*		*70 - 130*	*02/02/24 15:46*	*02/07/24 09:33*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**85.7**		4.97		mg/Kg			02/04/24 21:29	1

Client Sample ID: A - 9 1'

Lab Sample ID: 890-6063-3
Matrix: Solid
Date Collected: 01/29/24 11:34
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:23	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:23	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:23	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/09/24 23:23	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/09/24 23:23	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/09/24 23:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:23*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/09/24 23:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/07/24 09:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 09:53	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 9 1'

Lab Sample ID: 890-6063-3
Matrix: Solid
Date Collected: 01/29/24 11:34
Date Received: 01/29/24 17:00
Sample Depth: 1'

Method: SW846 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)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 09:53	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 09:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*158*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 09:53*	*1*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 09:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**75.8**		5.05		mg/Kg			02/04/24 21:35	1

Client Sample ID: A - 9 3'

Lab Sample ID: 890-6063-5
Matrix: Solid
Date Collected: 01/29/24 11:36
Date Received: 01/29/24 17:00
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 23:43	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/09/24 23:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 23:43	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/09/24 23:43	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/09/24 23:43	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/09/24 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:43*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 11:36*	*02/09/24 23:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/09/24 23:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/24 10:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 10:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 10:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 10:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*157*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:14*	*1*
1-Chlorooctane	*140*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:14*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 9 3'

Lab Sample ID: 890-6063-5
Matrix: Solid
Date Collected: 01/29/24 11:36
Date Received: 01/29/24 17:00
Sample Depth: 3'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	64.2		5.01		mg/Kg			02/04/24 22:03	1

Client Sample ID: B - 9 0.5'

Lab Sample ID: 890-6063-6
Matrix: Solid
Date Collected: 01/29/24 11:42
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 00:04	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 00:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 00:04	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 00:04	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 00:04	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 00:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:04*	*1*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:04*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 00:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/24 10:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 10:35	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 10:35	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 10:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:35*	*1*
1-Chlorooctane	*134*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:35*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	7440		49.9		mg/Kg			02/04/24 22:09	10

Client Sample ID: B - 9 4'

Lab Sample ID: 890-6063-8
Matrix: Solid
Date Collected: 01/29/24 11:45
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:25	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: B - 9 4'

Lab Sample ID: 890-6063-8
Matrix: Solid
Date Collected: 01/29/24 11:45
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:25	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:25	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 00:25	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 00:25	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:25*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:25*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 00:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/07/24 10:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 10:55	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 10:55	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*141*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:55*	*1*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 10:55*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**443**		24.8		mg/Kg			02/04/24 22:23	5

Client Sample ID: B - 7 0.5'

Lab Sample ID: 890-6063-9
Matrix: Solid
Date Collected: 01/29/24 12:17
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:45	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:45	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 00:45	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 00:45	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 00:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:45*	*1*
1,4-Difluorobenzene (Surr)	*76*		*70 - 130*	*02/09/24 11:36*	*02/10/24 00:45*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: B - 7 0.5'

Lab Sample ID: 890-6063-9
Matrix: Solid
Date Collected: 01/29/24 12:17
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 00:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/07/24 11:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		02/02/24 15:46	02/07/24 11:16	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/02/24 15:46	02/07/24 11:16	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/02/24 15:46	02/07/24 11:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*120*		*70 - 130*	*02/02/24 15:46*	*02/07/24 11:16*	*1*
1-Chlorooctane	*106*		*70 - 130*	*02/02/24 15:46*	*02/07/24 11:16*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9530**		50.4		mg/Kg			02/04/24 22:30	10

Client Sample ID: B - 7 4'

Lab Sample ID: 890-6063-11
Matrix: Solid
Date Collected: 01/29/24 12:21
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:06	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:06	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 01:06	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 01:06	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 130*	*02/09/24 11:36*	*02/10/24 01:06*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/09/24 11:36*	*02/10/24 01:06*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/24 01:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/07/24 11:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 11:36	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: B - 7 4'

Lab Sample ID: 890-6063-11
Matrix: Solid
Date Collected: 01/29/24 12:21
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: SW846 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)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 11:36	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 11:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*143*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 11:36*	*1*
1-Chlorooctane	*128*		*70 - 130*	*02/02/24 15:46*	*02/07/24 11:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**560**	**F1**	25.2		mg/Kg			02/04/24 23:31	5

Client Sample ID: B - 11 1'

Lab Sample ID: 890-6063-12
Matrix: Solid
Date Collected: 01/29/24 12:23
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 01:26	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 01:26	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 01:26	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 01:26	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 01:26	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 01:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*	*02/09/24 11:36*	*02/10/24 01:26*	*1*
1,4-Difluorobenzene (Surr)	*69*	*S1-*	*70 - 130*	*02/09/24 11:36*	*02/10/24 01:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 01:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/07/24 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 11:57	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 11:57	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 11:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*139*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 11:57*	*1*
1-Chlorooctane	*123*		*70 - 130*	*02/02/24 15:46*	*02/07/24 11:57*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: B - 11 1'

Lab Sample ID: 890-6063-12
Matrix: Solid
Date Collected: 01/29/24 12:23
Date Received: 01/29/24 17:00
Sample Depth: 1'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	84.2		4.99		mg/Kg			02/04/24 23:51	1

Client Sample ID: B - 11 3'

Lab Sample ID: 890-6063-13
Matrix: Solid
Date Collected: 01/29/24 12:25
Date Received: 01/29/24 17:00
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:47	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:47	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:47	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 01:47	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 01:47	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 01:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*77*		*70 - 130*	*02/09/24 11:36*	*02/10/24 01:47*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/09/24 11:36*	*02/10/24 01:47*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/24 01:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/24 12:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 12:17	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 12:17	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*132*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 12:17*	*1*
1-Chlorooctane	*117*		*70 - 130*	*02/02/24 15:46*	*02/07/24 12:17*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	76.9		4.96		mg/Kg			02/04/24 23:58	1

Client Sample ID: C - 13 1'

Lab Sample ID: 890-6063-14
Matrix: Solid
Date Collected: 01/29/24 12:28
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:11	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 13 1'

Lab Sample ID: 890-6063-14
Matrix: Solid
Date Collected: 01/29/24 12:28
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:11	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:11	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 03:11	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 03:11	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/10/24 03:11*	*1*
1,4-Difluorobenzene (Surr)	*61*	*S1-*	*70 - 130*	*02/09/24 11:36*	*02/10/24 03:11*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 03:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/07/24 12:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 12:59	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 12:59	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 12:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*136*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 12:59*	*1*
1-Chlorooctane	*120*		*70 - 130*	*02/02/24 15:46*	*02/07/24 12:59*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**74.3**		4.97		mg/Kg			02/05/24 00:05	1

Client Sample ID: C - 13 3'

Lab Sample ID: 890-6063-15
Matrix: Solid
Date Collected: 01/29/24 12:30
Date Received: 01/29/24 17:00
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:32	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:32	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:32	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 03:32	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 03:32	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/09/24 11:36*	*02/10/24 03:32*	*1*
1,4-Difluorobenzene (Surr)	*78*		*70 - 130*	*02/09/24 11:36*	*02/10/24 03:32*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 13 3'

Lab Sample ID: 890-6063-15
Matrix: Solid
Date Collected: 01/29/24 12:30
Date Received: 01/29/24 17:00
Sample Depth: 3'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 03:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/07/24 13:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 13:19	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 13:19	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/02/24 15:46	02/07/24 13:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*152*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 13:19*	*1*
1-Chlorooctane	*137*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 13:19*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**386**		24.9		mg/Kg			02/05/24 00:11	5

Client Sample ID: D - 10 0.5'

Lab Sample ID: 890-6063-16
Matrix: Solid
Date Collected: 01/29/24 12:59
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 03:52	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 03:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 03:52	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 03:52	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 03:52	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 03:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*	*02/09/24 11:36*	*02/10/24 03:52*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/09/24 11:36*	*02/10/24 03:52*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/24 03:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/07/24 13:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 13:40	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 10 0.5'

Lab Sample ID: 890-6063-16
Matrix: Solid
Date Collected: 01/29/24 12:59
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: SW846 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)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 13:40	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/02/24 15:46	02/07/24 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*144*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 13:40*	*1*
1-Chlorooctane	*129*		*70 - 130*	*02/02/24 15:46*	*02/07/24 13:40*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4800**		50.2		mg/Kg			02/05/24 00:32	10

Client Sample ID: D - 10 4'

Lab Sample ID: 890-6063-18
Matrix: Solid
Date Collected: 01/29/24 01:01
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 04:13	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 04:13	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 04:13	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 04:13	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 04:13	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 04:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:13*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:13*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 04:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/07/24 14:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		02/02/24 15:46	02/07/24 14:00	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/02/24 15:46	02/07/24 14:00	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/02/24 15:46	02/07/24 14:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*146*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 14:00*	*1*
1-Chlorooctane	*131*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 14:00*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 10 4'

Lab Sample ID: 890-6063-18
Matrix: Solid
Date Collected: 01/29/24 01:01
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	501		25.2		mg/Kg			02/05/24 00:45	5

Client Sample ID: C - 8 0.5'

Lab Sample ID: 890-6063-19
Matrix: Solid
Date Collected: 01/29/24 01:04
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 04:33	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 04:33	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 04:33	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 04:33	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 04:33	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 04:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:33*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/24 04:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/07/24 14:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 14:21	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 14:21	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/02/24 15:46	02/07/24 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*145*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 14:21*	*1*
1-Chlorooctane	*128*		*70 - 130*	*02/02/24 15:46*	*02/07/24 14:21*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9020		49.9		mg/Kg			02/05/24 00:52	10

Client Sample ID: C - 8 4'

Lab Sample ID: 890-6063-21
Matrix: Solid
Date Collected: 01/29/24 01:06
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 04:54	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 8 4'

Lab Sample ID: 890-6063-21
Matrix: Solid
Date Collected: 01/29/24 01:06
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 04:54	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 04:54	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 04:54	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 04:54	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 04:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:54*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/10/24 04:54*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 04:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/07/24 14:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U	49.8		mg/Kg		02/02/24 15:46	02/07/24 14:42	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/02/24 15:46	02/07/24 14:42	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/02/24 15:46	02/07/24 14:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*142*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 14:42*	*1*
1-Chlorooctane	*129*		*70 - 130*	*02/02/24 15:46*	*02/07/24 14:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**770**		24.8		mg/Kg			02/05/24 01:06	5

Client Sample ID: E - 12 0.5'

Lab Sample ID: 890-6063-22
Matrix: Solid
Date Collected: 01/29/24 01:08
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 05:15	1
Ethylbenzene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 05:15	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/09/24 11:36	02/10/24 05:15	1
Xylenes, Total	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 05:15	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/09/24 11:36	02/10/24 05:15	1
o-Xylene	<0.00199	U *+	0.00199		mg/Kg		02/09/24 11:36	02/10/24 05:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:15*	*1*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:15*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: E - 12 0.5'

Lab Sample ID: 890-6063-22
Matrix: Solid
Date Collected: 01/29/24 01:08
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 05:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/24 15:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 15:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 15:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*140*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 15:02*	*1*
1-Chlorooctane	*124*		*70 - 130*	*02/02/24 15:46*	*02/07/24 15:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**715**		25.1		mg/Kg			02/05/24 01:26	5

Client Sample ID: E - 12 4'

Lab Sample ID: 890-6063-24
Matrix: Solid
Date Collected: 01/29/24 01:10
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 05:35	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 05:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 05:35	1
Xylenes, Total	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 05:35	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/09/24 11:36	02/10/24 05:35	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:35*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/24 05:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/07/24 15:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 15:23	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: E - 12 4'

Lab Sample ID: 890-6063-24
Matrix: Solid
Date Collected: 01/29/24 01:10
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: SW846 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)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 15:23	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 15:46	02/07/24 15:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*153*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 15:23*	*1*
1-Chlorooctane	*136*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 15:23*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**369**		25.0		mg/Kg			02/05/24 01:53	5

Client Sample ID: F - 15 0.5'

Lab Sample ID: 890-6063-25
Matrix: Solid
Date Collected: 01/29/24 01:40
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 05:56	1
Ethylbenzene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 05:56	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/09/24 11:36	02/10/24 05:56	1
Xylenes, Total	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 05:56	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/09/24 11:36	02/10/24 05:56	1
o-Xylene	<0.00201	U *+	0.00201		mg/Kg		02/09/24 11:36	02/10/24 05:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:56*	*1*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/10/24 05:56*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 05:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/24 15:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 15:43	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 15:43	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*164*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 15:43*	*1*
1-Chlorooctane	*146*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 15:43*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: F - 15 0.5'

Lab Sample ID: 890-6063-25
Matrix: Solid
Date Collected: 01/29/24 01:40
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	144		4.98		mg/Kg			02/05/24 02:00	1

Client Sample ID: F - 15 4'

Lab Sample ID: 890-6063-27
Matrix: Solid
Date Collected: 01/29/24 01:42
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 06:16	1
Ethylbenzene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 06:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/10/24 06:16	1
Xylenes, Total	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 06:16	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/09/24 11:36	02/10/24 06:16	1
o-Xylene	<0.00200	U *+	0.00200		mg/Kg		02/09/24 11:36	02/10/24 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*	*02/09/24 11:36*	*02/10/24 06:16*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/09/24 11:36*	*02/10/24 06:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/24 06:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/24 16:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 16:04	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 16:04	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 15:46	02/07/24 16:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*149*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 16:04*	*1*
1-Chlorooctane	*133*	*S1+*	*70 - 130*	*02/02/24 15:46*	*02/07/24 16:04*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	393		25.1		mg/Kg			02/05/24 02:14	5

Client Sample ID: D - 15 0.5'

Lab Sample ID: 890-6063-28
Matrix: Solid
Date Collected: 01/29/24 01:48
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:39	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 15 0.5'

Lab Sample ID: 890-6063-28
Matrix: Solid
Date Collected: 01/29/24 01:48
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 09:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 09:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*	*02/07/24 16:55*	*02/10/24 09:39*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/07/24 16:55*	*02/10/24 09:39*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 09:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/07/24 18:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.8	U F1	49.8		mg/Kg		02/02/24 16:33	02/07/24 18:46	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/02/24 16:33	02/07/24 18:46	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/02/24 16:33	02/07/24 18:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*70 - 130*	*02/02/24 16:33*	*02/07/24 18:46*	*1*
1-Chlorooctane	*99*		*70 - 130*	*02/02/24 16:33*	*02/07/24 18:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**355**		5.03		mg/Kg			02/05/24 02:20	1

Client Sample ID: D - 15 4'

Lab Sample ID: 890-6063-30
Matrix: Solid
Date Collected: 01/29/24 01:50
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:59	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:59	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:59	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 09:59	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 09:59	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 09:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/07/24 16:55*	*02/10/24 09:59*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/07/24 16:55*	*02/10/24 09:59*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 15 4'

Lab Sample ID: 890-6063-30
Matrix: Solid
Date Collected: 01/29/24 01:50
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 09:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/07/24 19:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.5	U	50.5		mg/Kg		02/02/24 16:33	02/07/24 19:47	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/02/24 16:33	02/07/24 19:47	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/02/24 16:33	02/07/24 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*119*		*70 - 130*	*02/02/24 16:33*	*02/07/24 19:47*	*1*
1-Chlorooctane	*107*		*70 - 130*	*02/02/24 16:33*	*02/07/24 19:47*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**413**		25.1		mg/Kg			02/05/24 02:34	5

Client Sample ID: G - 12 0.5'

Lab Sample ID: 890-6063-31
Matrix: Solid
Date Collected: 01/29/24 01:52
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 10:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 10:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 10:20	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/24 16:55	02/10/24 10:20	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/24 16:55	02/10/24 10:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/07/24 16:55*	*02/10/24 10:20*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/07/24 16:55*	*02/10/24 10:20*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/24 10:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/07/24 20:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 20:08	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: G - 12 0.5'

Lab Sample ID: 890-6063-31
Matrix: Solid
Date Collected: 01/29/24 01:52
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: SW846 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)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 20:08	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 20:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*70 - 130*	*02/02/24 16:33*	*02/07/24 20:08*	*1*
1-Chlorooctane	*100*		*70 - 130*	*02/02/24 16:33*	*02/07/24 20:08*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2400**		25.2		mg/Kg			02/04/24 11:54	5

Client Sample ID: G - 12 4'

Lab Sample ID: 890-6063-33
Matrix: Solid
Date Collected: 01/29/24 01:54
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 10:40	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 10:40	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 10:40	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/24 16:55	02/10/24 10:40	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/24 16:55	02/10/24 10:40	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 10:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*	*02/07/24 16:55*	*02/10/24 10:40*	*1*
1,4-Difluorobenzene (Surr)	*108*		*70 - 130*	*02/07/24 16:55*	*02/10/24 10:40*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 10:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.5	U	49.5		mg/Kg			02/07/24 20:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.5	U	49.5		mg/Kg		02/02/24 16:33	02/07/24 20:40	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		02/02/24 16:33	02/07/24 20:40	1
OII Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		02/02/24 16:33	02/07/24 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*70 - 130*	*02/02/24 16:33*	*02/07/24 20:40*	*1*
1-Chlorooctane	*103*		*70 - 130*	*02/02/24 16:33*	*02/07/24 20:40*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: G - 12 4'

Lab Sample ID: 890-6063-33
Matrix: Solid
Date Collected: 01/29/24 01:54
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	384		25.3		mg/Kg			02/04/24 12:21	5

Client Sample ID: D - 17 0.5'

Lab Sample ID: 890-6063-34
Matrix: Solid
Date Collected: 01/29/24 02:38
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 11:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 11:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 11:00	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/24 16:55	02/10/24 11:00	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/24 16:55	02/10/24 11:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:00*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:00*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/24 11:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/07/24 21:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/07/24 21:01	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/07/24 21:01	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/07/24 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*125*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:01*	*1*
1-Chlorooctane	*112*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:01*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5400		50.3		mg/Kg			02/04/24 12:27	10

Client Sample ID: D - 17 4'

Lab Sample ID: 890-6063-36
Matrix: Solid
Date Collected: 01/29/24 02:40
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:21	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 17 4'

Lab Sample ID: 890-6063-36
Matrix: Solid
Date Collected: 01/29/24 02:40
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:21	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:21	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 11:21	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 11:21	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:21*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:21*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 11:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/07/24 21:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 21:22	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 21:22	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 21:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*112*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:22*	*1*
1-Chlorooctane	*102*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**53.4**		5.01		mg/Kg			02/04/24 12:54	1

Client Sample ID: D - 6 0.5'

Lab Sample ID: 890-6063-37
Matrix: Solid
Date Collected: 01/29/24 02:41
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:41	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:41	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:41	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 11:41	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/07/24 16:55	02/10/24 11:41	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/07/24 16:55	02/10/24 11:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:41*	*1*
1,4-Difluorobenzene (Surr)	*117*		*70 - 130*	*02/07/24 16:55*	*02/10/24 11:41*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 6 0.5'

Lab Sample ID: 890-6063-37
Matrix: Solid
Date Collected: 01/29/24 02:41
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/10/24 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/07/24 21:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.3	U	50.3		mg/Kg		02/02/24 16:33	02/07/24 21:42	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/02/24 16:33	02/07/24 21:42	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/02/24 16:33	02/07/24 21:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:42*	*1*
1-Chlorooctane	*90*		*70 - 130*	*02/02/24 16:33*	*02/07/24 21:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**242**		4.99		mg/Kg			02/04/24 13:01	1

Client Sample ID: D - 6 4'

Lab Sample ID: 890-6063-39
Matrix: Solid
Date Collected: 01/29/24 02:43
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:02	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:02	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:02	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/07/24 16:55	02/10/24 12:02	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		02/07/24 16:55	02/10/24 12:02	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:02*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:02*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/10/24 12:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/07/24 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.1	U	50.1		mg/Kg		02/02/24 16:33	02/07/24 22:03	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 6 4'

Lab Sample ID: 890-6063-39
Matrix: Solid
Date Collected: 01/29/24 02:43
Date Received: 01/29/24 17:00
Sample Depth: 4'

Method: SW846 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)	<50.1	U	50.1		mg/Kg		02/02/24 16:33	02/07/24 22:03	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/02/24 16:33	02/07/24 22:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:03*	*1*
1-Chlorooctane	*98*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:03*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**71.1**		5.02		mg/Kg			02/04/24 13:15	1

Client Sample ID: D - 19 0.5'

Lab Sample ID: 890-6063-40
Matrix: Solid
Date Collected: 01/29/24 02:44
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 12:22	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 12:22	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 12:22	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/07/24 16:55	02/10/24 12:22	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/07/24 16:55	02/10/24 12:22	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/07/24 16:55	02/10/24 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:22*	*1*
1,4-Difluorobenzene (Surr)	*112*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:22*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/10/24 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/07/24 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.4	U	50.4		mg/Kg		02/02/24 16:33	02/07/24 22:23	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/02/24 16:33	02/07/24 22:23	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/02/24 16:33	02/07/24 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:23*	*1*
1-Chlorooctane	*90*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:23*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 19 0.5'

Lab Sample ID: 890-6063-40
Matrix: Solid
Date Collected: 01/29/24 02:44
Date Received: 01/29/24 17:00
Sample Depth: 0.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	633		5.04		mg/Kg			02/04/24 13:21	1

Client Sample ID: D - 19 4'

Lab Sample ID: 890-6063-42
Matrix: Solid
Date Collected: 01/29/24 02:47
Date Received: 01/29/24 17:00
Sample Depth: 4'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:43	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:43	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:43	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/07/24 16:55	02/10/24 12:43	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/07/24 16:55	02/10/24 12:43	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 12:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:43*	*1*
1,4-Difluorobenzene (Surr)	*116*		*70 - 130*	*02/07/24 16:55*	*02/10/24 12:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/10/24 12:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/24 22:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 22:44	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 22:44	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 22:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:44*	*1*
1-Chlorooctane	*88*		*70 - 130*	*02/02/24 16:33*	*02/07/24 22:44*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	599		50.1		mg/Kg			02/04/24 13:28	10

Client Sample ID: C - 17 1'

Lab Sample ID: 890-6063-43
Matrix: Solid
Date Collected: 01/29/24 02:49
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/11/24 05:32	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 17 1'

Lab Sample ID: 890-6063-43
Matrix: Solid
Date Collected: 01/29/24 02:49
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/11/24 05:32	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/11/24 05:32	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/06/24 13:59	02/11/24 05:32	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/06/24 13:59	02/11/24 05:32	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/11/24 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*138*	*S1+*	*70 - 130*	*02/06/24 13:59*	*02/11/24 05:32*	*1*
1,4-Difluorobenzene (Surr)	*115*		*70 - 130*	*02/06/24 13:59*	*02/11/24 05:32*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/11/24 05:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/07/24 23:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 23:26	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 23:26	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 23:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*70 - 130*	*02/02/24 16:33*	*02/07/24 23:26*	*1*
1-Chlorooctane	*89*		*70 - 130*	*02/02/24 16:33*	*02/07/24 23:26*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**612**		49.9		mg/Kg			02/04/24 13:55	10

Client Sample ID: C - 17 3'

Lab Sample ID: 890-6063-44
Matrix: Solid
Date Collected: 01/29/24 02:51
Date Received: 01/29/24 17:00
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/06/24 13:59	02/11/24 05:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/06/24 13:59	02/11/24 05:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/06/24 13:59	02/11/24 05:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/06/24 13:59	02/11/24 05:58	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/06/24 13:59	02/11/24 05:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/06/24 13:59	02/11/24 05:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/06/24 13:59*	*02/11/24 05:58*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/06/24 13:59*	*02/11/24 05:58*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 17 3'

Lab Sample ID: 890-6063-44
Matrix: Solid
Date Collected: 01/29/24 02:51
Date Received: 01/29/24 17:00
Sample Depth: 3'

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/11/24 05:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/07/24 23:46	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 23:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 23:46	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/07/24 23:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*70 - 130*	*02/02/24 16:33*	*02/07/24 23:46*	*1*
1-Chlorooctane	*92*		*70 - 130*	*02/02/24 16:33*	*02/07/24 23:46*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**322**		25.0		mg/Kg			02/04/24 14:15	5

Client Sample ID: C - 15 1'

Lab Sample ID: 890-6063-45
Matrix: Solid
Date Collected: 01/29/24 02:52
Date Received: 01/29/24 17:00
Sample Depth: 1'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		02/06/24 13:59	02/11/24 06:24	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		02/06/24 13:59	02/11/24 06:24	1
Toluene	<0.00198	U	0.00198		mg/Kg		02/06/24 13:59	02/11/24 06:24	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		02/06/24 13:59	02/11/24 06:24	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		02/06/24 13:59	02/11/24 06:24	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		02/06/24 13:59	02/11/24 06:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*191*	*S1+*	*70 - 130*	*02/06/24 13:59*	*02/11/24 06:24*	*1*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*	*02/06/24 13:59*	*02/11/24 06:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			02/11/24 06:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/08/24 00:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/08/24 00:07	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 15 1'

Lab Sample ID: 890-6063-45
Matrix: Solid
Date Collected: 01/29/24 02:52
Date Received: 01/29/24 17:00
Sample Depth: 1'

Method: SW846 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)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/08/24 00:07	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/02/24 16:33	02/08/24 00:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*98*		*70 - 130*	*02/02/24 16:33*	*02/08/24 00:07*	*1*
1-Chlorooctane	*88*		*70 - 130*	*02/02/24 16:33*	*02/08/24 00:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**586**		49.7		mg/Kg			02/04/24 14:22	10

Client Sample ID: C - 15 3'

Lab Sample ID: 890-6063-46
Matrix: Solid
Date Collected: 01/29/24 02:55
Date Received: 01/29/24 17:00
Sample Depth: 3'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/06/24 13:59	02/11/24 06:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/06/24 13:59	02/11/24 06:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/06/24 13:59	02/11/24 06:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/06/24 13:59	02/11/24 06:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		02/06/24 13:59	02/11/24 06:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/06/24 13:59	02/11/24 06:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*02/06/24 13:59*	*02/11/24 06:51*	*1*
1,4-Difluorobenzene (Surr)	*75*		*70 - 130*	*02/06/24 13:59*	*02/11/24 06:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/11/24 06:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/08/24 00:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/08/24 00:28	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/08/24 00:28	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/02/24 16:33	02/08/24 00:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*99*		*70 - 130*	*02/02/24 16:33*	*02/08/24 00:28*	*1*
1-Chlorooctane	*90*		*70 - 130*	*02/02/24 16:33*	*02/08/24 00:28*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 15 3'
Date Collected: 01/29/24 02:55
Date Received: 01/29/24 17:00
Sample Depth: 3'

Lab Sample ID: 890-6063-46
Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	311		24.8		mg/Kg			02/04/24 14:29	5

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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)
880-38637-A-21-C MS	Matrix Spike	116	79
880-38637-A-21-D MSD	Matrix Spike Duplicate	132 S1+	77
880-39041-A-3-B MS	Matrix Spike	106	100
880-39041-A-3-C MSD	Matrix Spike Duplicate	107	106
890-6063-1	A - 7 1'	79	65 S1-
890-6063-1 MS	A - 7 1'	117	96
890-6063-1 MSD	A - 7 1'	115	96
890-6063-2	A - 7 2'	84	76
890-6063-3	A - 9 1'	88	76
890-6063-5	A - 9 3'	82	79
890-6063-6	B - 9 0.5'	97	71
890-6063-8	B - 9 4'	79	81
890-6063-9	B - 7 0.5'	90	76
890-6063-11	B - 7 4'	90	77
890-6063-12	B - 11 1'	91	69 S1-
890-6063-13	B - 11 3'	77	80
890-6063-14	C - 13 1'	82	61 S1-
890-6063-15	C - 13 3'	85	78
890-6063-16	D - 10 0.5'	80	77
890-6063-18	D - 10 4'	85	80
890-6063-19	C - 8 0.5'	83	81
890-6063-21	C - 8 4'	85	82
890-6063-22	E - 12 0.5'	79	77
890-6063-24	E - 12 4'	82	81
890-6063-25	F - 15 0.5'	86	82
890-6063-27	F - 15 4'	82	80
890-6063-28	D - 15 0.5'	88	103
890-6063-30	D - 15 4'	104	116
890-6063-31	G - 12 0.5'	104	106
890-6063-33	G - 12 4'	105	108
890-6063-34	D - 17 0.5'	104	111
890-6063-36	D - 17 4'	113	111
890-6063-37	D - 6 0.5'	112	117
890-6063-39	D - 6 4'	107	112
890-6063-40	D - 19 0.5'	99	112
890-6063-42	D - 19 4'	111	116
890-6063-43	C - 17 1'	138 S1+	115
890-6063-44	C - 17 3'	123	79
890-6063-45	C - 15 1'	191 S1+	95
890-6063-46	C - 15 3'	146 S1+	75
LCS 880-72507/1-A	Lab Control Sample	136 S1+	71
LCS 880-72602/1-A	Lab Control Sample	105	109
LCS 880-72735/1-A	Lab Control Sample	114	102
LCSD 880-72507/2-A	Lab Control Sample Dup	113	70
LCSD 880-72602/2-A	Lab Control Sample Dup	106	103
LCSD 880-72735/2-A	Lab Control Sample Dup	118	109
MB 880-72503/5-A	Method Blank	87	101
MB 880-72504/5-A	Method Blank	119	127
MB 880-72507/5-A	Method Blank	76	79

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) BFB1 (70-130)	DFBZ1 (70-130)
MB 880-72602/5-A	Method Blank	131 S1+	135 S1+
MB 880-72700/5-A	Method Blank	73	78
MB 880-72735/5-A	Method Blank	74	81

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits) OTPH1 (70-130)	1CO1 (70-130)
890-6063-1	A - 7 1'	150 S1+	132 S1+
890-6063-1 MS	A - 7 1'	133 S1+	123
890-6063-1 MSD	A - 7 1'	134 S1+	125
890-6063-2	A - 7 2'	148 S1+	130
890-6063-3	A - 9 1'	158 S1+	140 S1+
890-6063-5	A - 9 3'	157 S1+	140 S1+
890-6063-6	B - 9 0.5'	152 S1+	134 S1+
890-6063-8	B - 9 4'	141 S1+	131 S1+
890-6063-9	B - 7 0.5'	120	106
890-6063-11	B - 7 4'	143 S1+	128
890-6063-12	B - 11 1'	139 S1+	123
890-6063-13	B - 11 3'	132 S1+	117
890-6063-14	C - 13 1'	136 S1+	120
890-6063-15	C - 13 3'	152 S1+	137 S1+
890-6063-16	D - 10 0.5'	144 S1+	129
890-6063-18	D - 10 4'	146 S1+	131 S1+
890-6063-19	C - 8 0.5'	145 S1+	128
890-6063-21	C - 8 4'	142 S1+	129
890-6063-22	E - 12 0.5'	140 S1+	124
890-6063-24	E - 12 4'	153 S1+	136 S1+
890-6063-25	F - 15 0.5'	164 S1+	146 S1+
890-6063-27	F - 15 4'	149 S1+	133 S1+
890-6063-28	D - 15 0.5'	111	99
890-6063-28 MS	D - 15 0.5'	0 S1-	107
890-6063-28 MSD	D - 15 0.5'	0 S1-	104
890-6063-30	D - 15 4'	119	107
890-6063-31	G - 12 0.5'	111	100
890-6063-33	G - 12 4'	113	103
890-6063-34	D - 17 0.5'	125	112
890-6063-36	D - 17 4'	112	102
890-6063-37	D - 6 0.5'	98	90
890-6063-39	D - 6 4'	107	98
890-6063-40	D - 19 0.5'	103	90
890-6063-42	D - 19 4'	97	88
890-6063-43	C - 17 1'	98	89
890-6063-44	C - 17 3'	102	92
890-6063-45	C - 15 1'	98	88

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH1 (70-130)	1CO1 (70-130)								
890-6063-46	C - 15 3'	99	90								
LCS 870-17830/1-A	Lab Control Sample	96	102								
LCS 870-17918/1-A	Lab Control Sample	130	130								
LCSD 870-17830/2-A	Lab Control Sample Dup	97	104								
LCSD 870-17918/2-A	Lab Control Sample Dup	119	128								
MB 870-17830/3-A	Method Blank	120	115								
MB 870-17918/3-A	Method Blank	124	118								

Surrogate Legend

OTPH = o-Terphenyl
1CO = 1-Chlorooctane

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72503/5-A
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72503

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:36	02/10/24 07:13	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/24 13:36	02/10/24 07:13	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/24 13:36	02/10/24 07:13	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:36	02/10/24 07:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 130*	*02/06/24 13:36*	*02/10/24 07:13*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/06/24 13:36*	*02/10/24 07:13*	*1*

Lab Sample ID: MB 880-72504/5-A
Matrix: Solid
Analysis Batch: 72754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72504

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:45	02/09/24 16:39	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:45	02/09/24 16:39	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:45	02/09/24 16:39	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/24 13:45	02/09/24 16:39	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/24 13:45	02/09/24 16:39	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:45	02/09/24 16:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/06/24 13:45*	*02/09/24 16:39*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*02/06/24 13:45*	*02/09/24 16:39*	*1*

Lab Sample ID: MB 880-72507/5-A
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72507

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/10/24 20:56	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/06/24 13:59	02/10/24 20:56	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/06/24 13:59	02/10/24 20:56	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/06/24 13:59	02/10/24 20:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*	*02/06/24 13:59*	*02/10/24 20:56*	*1*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*	*02/06/24 13:59*	*02/10/24 20:56*	*1*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: LCS 880-72507/1-A
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72507

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.09011		mg/Kg		90	70 - 130		
Ethylbenzene			0.100	0.1074		mg/Kg		107	70 - 130		
Toluene			0.100	0.09772		mg/Kg		98	70 - 130		
m-Xylene & p-Xylene			0.200	0.2285		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1146		mg/Kg		115	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*136*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: LCSD 880-72507/2-A
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72507

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08819		mg/Kg		88	70 - 130	2	35
Ethylbenzene			0.100	0.1027		mg/Kg		103	70 - 130	4	35
Toluene			0.100	0.09322		mg/Kg		93	70 - 130	5	35
m-Xylene & p-Xylene			0.200	0.2234		mg/Kg		112	70 - 130	2	35
o-Xylene			0.100	0.1081		mg/Kg		108	70 - 130	6	35

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

Lab Sample ID: 880-38637-A-21-C MS
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72507

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00198	U F1 F2	0.0996	0.05207	F1	mg/Kg		52	70 - 130		
Ethylbenzene	<0.00198	U F1 F2	0.0996	0.05345	F1	mg/Kg		54	70 - 130		
Toluene	<0.00198	U F1 F2	0.0996	0.05824	F1	mg/Kg		58	70 - 130		
m-Xylene & p-Xylene	<0.00396	U F2	0.199	0.1441		mg/Kg		72	70 - 130		
o-Xylene	<0.00198	U	0.0996	0.07139		mg/Kg		72	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*116*		*70 - 130*
1,4-Difluorobenzene (Surr)	*79*		*70 - 130*

Lab Sample ID: 880-38637-A-21-D MSD
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00198	U F1 F2	0.100	0.09433	F2	mg/Kg		94	70 - 130	58	35
Ethylbenzene	<0.00198	U F1 F2	0.100	0.08383	F2	mg/Kg		84	70 - 130	44	35
Toluene	<0.00198	U F1 F2	0.100	0.09265	F2	mg/Kg		92	70 - 130	46	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: 880-38637-A-21-D MSD
Matrix: Solid
Analysis Batch: 72703

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72507

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
m-Xylene & p-Xylene	<0.00396	U F2	0.200	0.2170	F2	mg/Kg		108	70 - 130	40	35
o-Xylene	<0.00198	U	0.100	0.1010		mg/Kg		101	70 - 130	34	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*77*		*70 - 130*

Lab Sample ID: MB 880-72602/5-A
Matrix: Solid
Analysis Batch: 72754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72602

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 04:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 04:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 04:16	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/07/24 16:55	02/10/24 04:16	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/07/24 16:55	02/10/24 04:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/07/24 16:55	02/10/24 04:16	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*131*	*S1+*	*70 - 130*	*02/07/24 16:55*	*02/10/24 04:16*	*1*
1,4-Difluorobenzene (Surr)	*135*	*S1+*	*70 - 130*	*02/07/24 16:55*	*02/10/24 04:16*	*1*

Lab Sample ID: LCS 880-72602/1-A
Matrix: Solid
Analysis Batch: 72754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72602

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1072		mg/Kg		107	70 - 130
Ethylbenzene	0.100	0.09460		mg/Kg		95	70 - 130
Toluene	0.100	0.09343		mg/Kg		93	70 - 130
m-Xylene & p-Xylene	0.200	0.2202		mg/Kg		110	70 - 130
o-Xylene	0.100	0.09672		mg/Kg		97	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*105*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: LCSD 880-72602/2-A
Matrix: Solid
Analysis Batch: 72754

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72602

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1060		mg/Kg		106	70 - 130	1	35
Ethylbenzene	0.100	0.09342		mg/Kg		93	70 - 130	1	35
Toluene	0.100	0.1035		mg/Kg		104	70 - 130	10	35
m-Xylene & p-Xylene	0.200	0.2169		mg/Kg		108	70 - 130	1	35
o-Xylene	0.100	0.09589		mg/Kg		96	70 - 130	1	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 880-39041-A-3-B MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72754 — **Prep Batch: 72602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.07677		mg/Kg		77	70 - 130
Ethylbenzene	<0.00200	U F1	0.0996	0.05922	F1	mg/Kg		59	70 - 130
Toluene	<0.00200	U	0.0996	0.07401		mg/Kg		74	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.1482		mg/Kg		74	70 - 130
o-Xylene	<0.00200	U F1	0.0996	0.06804	F1	mg/Kg		68	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	106		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 880-39041-A-3-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72754 — **Prep Batch: 72602**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.09766		mg/Kg		99	70 - 130	24	35
Ethylbenzene	<0.00200	U F1	0.0990	0.07008		mg/Kg		71	70 - 130	17	35
Toluene	<0.00200	U	0.0990	0.08747		mg/Kg		88	70 - 130	17	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1755		mg/Kg		89	70 - 130	17	35
o-Xylene	<0.00200	U F1	0.0990	0.08021		mg/Kg		80	70 - 130	16	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	106		70 - 130

Lab Sample ID: MB 880-72700/5-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 72706 — **Prep Batch: 72700**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 08:20	02/09/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/24 08:20	02/09/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/24 08:20	02/09/24 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/24 08:20	02/09/24 11:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	73		70 - 130	02/09/24 08:20	02/09/24 11:08	1
1,4-Difluorobenzene (Surr)	78		70 - 130	02/09/24 08:20	02/09/24 11:08	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: MB 880-72735/5-A
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72735

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:20	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:20	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:20	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/09/24 11:36	02/09/24 22:20	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/09/24 11:36	02/09/24 22:20	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/09/24 11:36	02/09/24 22:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*	*02/09/24 11:36*	*02/09/24 22:20*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/09/24 11:36*	*02/09/24 22:20*	*1*

Lab Sample ID: LCS 880-72735/1-A
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72735

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1258		mg/Kg		126	70 - 130
Ethylbenzene	0.100	0.1404	*+	mg/Kg		140	70 - 130
Toluene	0.100	0.1285		mg/Kg		129	70 - 130
m-Xylene & p-Xylene	0.200	0.2862	*+	mg/Kg		143	70 - 130
o-Xylene	0.100	0.1382	*+	mg/Kg		138	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*114*		*70 - 130*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*

Lab Sample ID: LCSD 880-72735/2-A
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72735

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.1187		mg/Kg		119	70 - 130	6	35
Ethylbenzene	0.100	0.1390	*+	mg/Kg		139	70 - 130	1	35
Toluene	0.100	0.1212		mg/Kg		121	70 - 130	6	35
m-Xylene & p-Xylene	0.200	0.2766	*+	mg/Kg		138	70 - 130	3	35
o-Xylene	0.100	0.1337	*+	mg/Kg		134	70 - 130	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*118*		*70 - 130*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*

Lab Sample ID: 890-6063-1 MS
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: A - 7 1'
Prep Type: Total/NA
Prep Batch: 72735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.08508		mg/Kg		85	70 - 130
Ethylbenzene	<0.00200	U *+	0.0996	0.09566		mg/Kg		96	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: 890-6063-1 MS
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: A - 7 1'
Prep Type: Total/NA
Prep Batch: 72735

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.0996	0.08690		mg/Kg		87	70 - 130
m-Xylene & p-Xylene	<0.00401	U *+	0.199	0.1836		mg/Kg		92	70 - 130
o-Xylene	<0.00200	U *+	0.0996	0.08837		mg/Kg		88	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*117*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

Lab Sample ID: 890-6063-1 MSD
Matrix: Solid
Analysis Batch: 72706

Client Sample ID: A - 7 1'
Prep Type: Total/NA
Prep Batch: 72735

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.07398		mg/Kg		75	70 - 130	14	35
Ethylbenzene	<0.00200	U *+	0.0990	0.08557		mg/Kg		86	70 - 130	11	35
Toluene	<0.00200	U	0.0990	0.07648		mg/Kg		77	70 - 130	13	35
m-Xylene & p-Xylene	<0.00401	U *+	0.198	0.1631		mg/Kg		82	70 - 130	12	35
o-Xylene	<0.00200	U *+	0.0990	0.07845		mg/Kg		79	70 - 130	12	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*115*		*70 - 130*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*

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

Lab Sample ID: MB 870-17830/3-A
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17830

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 18:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 18:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 16:33	02/07/24 18:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*120*		*70 - 130*	*02/02/24 16:33*	*02/07/24 18:25*	*1*
1-Chlorooctane	*115*		*70 - 130*	*02/02/24 16:33*	*02/07/24 18:25*	*1*

Lab Sample ID: LCS 870-17830/1-A
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17830

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	1020	833.0		mg/Kg		82	70 - 130
Diesel Range Organics (Over C10-C28)	1010	906.3		mg/Kg		90	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: LCS 870-17830/1-A
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17830

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	96		70 - 130
1-Chlorooctane	102		70 - 130

Lab Sample ID: LCSD 870-17830/2-A
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17830

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1020	791.3		mg/Kg		78	70 - 130	5	20
Diesel Range Organics (Over C10-C28)			1010	944.6		mg/Kg		94	70 - 130	4	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	97		70 - 130
1-Chlorooctane	104		70 - 130

Lab Sample ID: 890-6063-28 MS
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: D - 15 0.5'
Prep Type: Total/NA
Prep Batch: 17830

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)	<49.8	U F1	1020	653.1	F1	mg/Kg		64	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	896.6		mg/Kg		89	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
o-Terphenyl	0	S1-	70 - 130
1-Chlorooctane	107		70 - 130

Lab Sample ID: 890-6063-28 MSD
Matrix: Solid
Analysis Batch: 17833

Client Sample ID: D - 15 0.5'
Prep Type: Total/NA
Prep Batch: 17830

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.8	U F1	1020	675.8	F1	mg/Kg		66	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.8	U	1010	876.0		mg/Kg		87	70 - 130	2	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
o-Terphenyl	0	S1-	70 - 130
1-Chlorooctane	104		70 - 130

Lab Sample ID: MB 870-17918/3-A
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 08:11	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: MB 870-17918/3-A
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 17918

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 08:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/02/24 15:46	02/07/24 08:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*124*		*70 - 130*	*02/02/24 15:46*	*02/07/24 08:11*	*1*
1-Chlorooctane	*118*		*70 - 130*	*02/02/24 15:46*	*02/07/24 08:11*	*1*

Lab Sample ID: LCS 870-17918/1-A
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 17918

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)			1020	897.6		mg/Kg		88	70 - 130		
Diesel Range Organics (Over C10-C28)			1010	1167		mg/Kg		116	70 - 130		

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

Lab Sample ID: LCSD 870-17918/2-A
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 17918

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)			1020	821.0		mg/Kg		81	70 - 130	9	20
Diesel Range Organics (Over C10-C28)			1010	1111		mg/Kg		110	70 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*119*		*70 - 130*
1-Chlorooctane	*128*		*70 - 130*

Lab Sample ID: 890-6063-1 MS
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: A - 7 1'
Prep Type: Total/NA
Prep Batch: 17918

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)	<49.6	U	1020	1044		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	1158		mg/Kg		114	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*133*	*S1+*	*70 - 130*
1-Chlorooctane	*123*		*70 - 130*

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

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

Lab Sample ID: 890-6063-1 MSD
Matrix: Solid
Analysis Batch: 17989

Client Sample ID: A - 7 1'
Prep Type: Total/NA
Prep Batch: 17918

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)	<49.6	U	1020	1246		mg/Kg		122	70 - 130	18	20
Diesel Range Organics (Over C10-C28)	<49.6	U	1010	1177		mg/Kg		116	70 - 130	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*134*	*S1+*	*70 - 130*
1-Chlorooctane	*125*		*70 - 130*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-71975/1-A
Matrix: Solid
Analysis Batch: 72257

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/04/24 11:33	1

Lab Sample ID: LCS 880-71975/2-A
Matrix: Solid
Analysis Batch: 72257

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 880-71975/3-A
Matrix: Solid
Analysis Batch: 72257

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: 890-6063-31 MS
Matrix: Solid
Analysis Batch: 72257

Client Sample ID: G - 12 0.5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2400		1260	3612		mg/Kg		96	90 - 110

Lab Sample ID: 890-6063-31 MSD
Matrix: Solid
Analysis Batch: 72257

Client Sample ID: G - 12 0.5'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	2400		1260	3607		mg/Kg		96	90 - 110	0	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6063-42 MS
Matrix: Solid
Analysis Batch: 72257

Client Sample ID: D - 19 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	599		2510	3090		mg/Kg		99	90 - 110

Lab Sample ID: 890-6063-42 MSD
Matrix: Solid
Analysis Batch: 72257

Client Sample ID: D - 19 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	599		2510	3101		mg/Kg		100	90 - 110	0	20

Lab Sample ID: MB 880-71974/1-A
Matrix: Solid
Analysis Batch: 72282

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/04/24 19:13	1

Lab Sample ID: LCS 880-71974/2-A
Matrix: Solid
Analysis Batch: 72282

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	256.9		mg/Kg		103	90 - 110

Lab Sample ID: LCSD 880-71974/3-A
Matrix: Solid
Analysis Batch: 72282

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	255.3		mg/Kg		102	90 - 110	1	20

Lab Sample ID: 890-6063-1 MS
Matrix: Solid
Analysis Batch: 72282

Client Sample ID: A - 7 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	215		250	462.8		mg/Kg		99	90 - 110

Lab Sample ID: 890-6063-1 MSD
Matrix: Solid
Analysis Batch: 72282

Client Sample ID: A - 7 1'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	215		250	461.3		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-71976/1-A
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/04/24 23:10	1

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: LCS 880-71976/2-A
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	253.0		mg/Kg		101	90 - 110		

Lab Sample ID: LCSD 880-71976/3-A
Matrix: Solid
Analysis Batch: 72283

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	252.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-6063-11 MS
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: B - 7 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	560	F1	1260	1637	F1	mg/Kg		85	90 - 110		

Lab Sample ID: 890-6063-11 MSD
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: B - 7 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	560	F1	1260	1634	F1	mg/Kg		85	90 - 110	0	20

Lab Sample ID: 890-6063-21 MS
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: C - 8 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	770		1240	1925		mg/Kg		93	90 - 110		

Lab Sample ID: 890-6063-21 MSD
Matrix: Solid
Analysis Batch: 72283

Client Sample ID: C - 8 4'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	770		1240	1922		mg/Kg		93	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC VOA

Prep Batch: 72503

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72503/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72504

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72504/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 72507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-43	C - 17 1'	Total/NA	Solid	5035	
890-6063-44	C - 17 3'	Total/NA	Solid	5035	
890-6063-45	C - 15 1'	Total/NA	Solid	5035	
890-6063-46	C - 15 3'	Total/NA	Solid	5035	
MB 880-72507/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72507/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72507/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-38637-A-21-C MS	Matrix Spike	Total/NA	Solid	5035	
880-38637-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 72602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-28	D - 15 0.5'	Total/NA	Solid	5035	
890-6063-30	D - 15 4'	Total/NA	Solid	5035	
890-6063-31	G - 12 0.5'	Total/NA	Solid	5035	
890-6063-33	G - 12 4'	Total/NA	Solid	5035	
890-6063-34	D - 17 0.5'	Total/NA	Solid	5035	
890-6063-36	D - 17 4'	Total/NA	Solid	5035	
890-6063-37	D - 6 0.5'	Total/NA	Solid	5035	
890-6063-39	D - 6 4'	Total/NA	Solid	5035	
890-6063-40	D - 19 0.5'	Total/NA	Solid	5035	
890-6063-42	D - 19 4'	Total/NA	Solid	5035	
MB 880-72602/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72602/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72602/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39041-A-3-B MS	Matrix Spike	Total/NA	Solid	5035	
880-39041-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 72700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-72700/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 72703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-43	C - 17 1'	Total/NA	Solid	8021B	72507
890-6063-44	C - 17 3'	Total/NA	Solid	8021B	72507
890-6063-45	C - 15 1'	Total/NA	Solid	8021B	72507
890-6063-46	C - 15 3'	Total/NA	Solid	8021B	72507
MB 880-72503/5-A	Method Blank	Total/NA	Solid	8021B	72503
MB 880-72507/5-A	Method Blank	Total/NA	Solid	8021B	72507
LCS 880-72507/1-A	Lab Control Sample	Total/NA	Solid	8021B	72507
LCSD 880-72507/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72507
880-38637-A-21-C MS	Matrix Spike	Total/NA	Solid	8021B	72507

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 72703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38637-A-21-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72507

Analysis Batch: 72706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	8021B	72735
890-6063-2	A - 7 2'	Total/NA	Solid	8021B	72735
890-6063-3	A - 9 1'	Total/NA	Solid	8021B	72735
890-6063-5	A - 9 3'	Total/NA	Solid	8021B	72735
890-6063-6	B - 9 0.5'	Total/NA	Solid	8021B	72735
890-6063-8	B - 9 4'	Total/NA	Solid	8021B	72735
890-6063-9	B - 7 0.5'	Total/NA	Solid	8021B	72735
890-6063-11	B - 7 4'	Total/NA	Solid	8021B	72735
890-6063-12	B - 11 1'	Total/NA	Solid	8021B	72735
890-6063-13	B - 11 3'	Total/NA	Solid	8021B	72735
890-6063-14	C - 13 1'	Total/NA	Solid	8021B	72735
890-6063-15	C - 13 3'	Total/NA	Solid	8021B	72735
890-6063-16	D - 10 0.5'	Total/NA	Solid	8021B	72735
890-6063-18	D - 10 4'	Total/NA	Solid	8021B	72735
890-6063-19	C - 8 0.5'	Total/NA	Solid	8021B	72735
890-6063-21	C - 8 4'	Total/NA	Solid	8021B	72735
890-6063-22	E - 12 0.5'	Total/NA	Solid	8021B	72735
890-6063-24	E - 12 4'	Total/NA	Solid	8021B	72735
890-6063-25	F - 15 0.5'	Total/NA	Solid	8021B	72735
890-6063-27	F - 15 4'	Total/NA	Solid	8021B	72735
MB 880-72700/5-A	Method Blank	Total/NA	Solid	8021B	72700
MB 880-72735/5-A	Method Blank	Total/NA	Solid	8021B	72735
LCS 880-72735/1-A	Lab Control Sample	Total/NA	Solid	8021B	72735
LCSD 880-72735/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72735
890-6063-1 MS	A - 7 1'	Total/NA	Solid	8021B	72735
890-6063-1 MSD	A - 7 1'	Total/NA	Solid	8021B	72735

Prep Batch: 72735

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	5035	
890-6063-2	A - 7 2'	Total/NA	Solid	5035	
890-6063-3	A - 9 1'	Total/NA	Solid	5035	
890-6063-5	A - 9 3'	Total/NA	Solid	5035	
890-6063-6	B - 9 0.5'	Total/NA	Solid	5035	
890-6063-8	B - 9 4'	Total/NA	Solid	5035	
890-6063-9	B - 7 0.5'	Total/NA	Solid	5035	
890-6063-11	B - 7 4'	Total/NA	Solid	5035	
890-6063-12	B - 11 1'	Total/NA	Solid	5035	
890-6063-13	B - 11 3'	Total/NA	Solid	5035	
890-6063-14	C - 13 1'	Total/NA	Solid	5035	
890-6063-15	C - 13 3'	Total/NA	Solid	5035	
890-6063-16	D - 10 0.5'	Total/NA	Solid	5035	
890-6063-18	D - 10 4'	Total/NA	Solid	5035	
890-6063-19	C - 8 0.5'	Total/NA	Solid	5035	
890-6063-21	C - 8 4'	Total/NA	Solid	5035	
890-6063-22	E - 12 0.5'	Total/NA	Solid	5035	
890-6063-24	E - 12 4'	Total/NA	Solid	5035	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC VOA (Continued)

Prep Batch: 72735 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-25	F - 15 0.5'	Total/NA	Solid	5035	
890-6063-27	F - 15 4'	Total/NA	Solid	5035	
MB 880-72735/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72735/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72735/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6063-1 MS	A - 7 1'	Total/NA	Solid	5035	
890-6063-1 MSD	A - 7 1'	Total/NA	Solid	5035	

Analysis Batch: 72754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-28	D - 15 0.5'	Total/NA	Solid	8021B	72602
890-6063-30	D - 15 4'	Total/NA	Solid	8021B	72602
890-6063-31	G - 12 0.5'	Total/NA	Solid	8021B	72602
890-6063-33	G - 12 4'	Total/NA	Solid	8021B	72602
890-6063-34	D - 17 0.5'	Total/NA	Solid	8021B	72602
890-6063-36	D - 17 4'	Total/NA	Solid	8021B	72602
890-6063-37	D - 6 0.5'	Total/NA	Solid	8021B	72602
890-6063-39	D - 6 4'	Total/NA	Solid	8021B	72602
890-6063-40	D - 19 0.5'	Total/NA	Solid	8021B	72602
890-6063-42	D - 19 4'	Total/NA	Solid	8021B	72602
MB 880-72504/5-A	Method Blank	Total/NA	Solid	8021B	72504
MB 880-72602/5-A	Method Blank	Total/NA	Solid	8021B	72602
LCS 880-72602/1-A	Lab Control Sample	Total/NA	Solid	8021B	72602
LCSD 880-72602/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72602
880-39041-A-3-B MS	Matrix Spike	Total/NA	Solid	8021B	72602
880-39041-A-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72602

Analysis Batch: 72857

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	Total BTEX	
890-6063-2	A - 7 2'	Total/NA	Solid	Total BTEX	
890-6063-3	A - 9 1'	Total/NA	Solid	Total BTEX	
890-6063-5	A - 9 3'	Total/NA	Solid	Total BTEX	
890-6063-6	B - 9 0.5'	Total/NA	Solid	Total BTEX	
890-6063-8	B - 9 4'	Total/NA	Solid	Total BTEX	
890-6063-9	B - 7 0.5'	Total/NA	Solid	Total BTEX	
890-6063-11	B - 7 4'	Total/NA	Solid	Total BTEX	
890-6063-12	B - 11 1'	Total/NA	Solid	Total BTEX	
890-6063-13	B - 11 3'	Total/NA	Solid	Total BTEX	
890-6063-14	C - 13 1'	Total/NA	Solid	Total BTEX	
890-6063-15	C - 13 3'	Total/NA	Solid	Total BTEX	
890-6063-16	D - 10 0.5'	Total/NA	Solid	Total BTEX	
890-6063-18	D - 10 4'	Total/NA	Solid	Total BTEX	
890-6063-19	C - 8 0.5'	Total/NA	Solid	Total BTEX	
890-6063-21	C - 8 4'	Total/NA	Solid	Total BTEX	
890-6063-22	E - 12 0.5'	Total/NA	Solid	Total BTEX	
890-6063-24	E - 12 4'	Total/NA	Solid	Total BTEX	
890-6063-25	F - 15 0.5'	Total/NA	Solid	Total BTEX	
890-6063-27	F - 15 4'	Total/NA	Solid	Total BTEX	
890-6063-28	D - 15 0.5'	Total/NA	Solid	Total BTEX	
890-6063-30	D - 15 4'	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 72857 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-31	G - 12 0.5'	Total/NA	Solid	Total BTEX	
890-6063-33	G - 12 4'	Total/NA	Solid	Total BTEX	
890-6063-34	D - 17 0.5'	Total/NA	Solid	Total BTEX	
890-6063-36	D - 17 4'	Total/NA	Solid	Total BTEX	
890-6063-37	D - 6 0.5'	Total/NA	Solid	Total BTEX	
890-6063-39	D - 6 4'	Total/NA	Solid	Total BTEX	
890-6063-40	D - 19 0.5'	Total/NA	Solid	Total BTEX	
890-6063-42	D - 19 4'	Total/NA	Solid	Total BTEX	
890-6063-43	C - 17 1'	Total/NA	Solid	Total BTEX	
890-6063-44	C - 17 3'	Total/NA	Solid	Total BTEX	
890-6063-45	C - 15 1'	Total/NA	Solid	Total BTEX	
890-6063-46	C - 15 3'	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 17830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-28	D - 15 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-30	D - 15 4'	Total/NA	Solid	8015NM Prep	
890-6063-31	G - 12 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-33	G - 12 4'	Total/NA	Solid	8015NM Prep	
890-6063-34	D - 17 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-36	D - 17 4'	Total/NA	Solid	8015NM Prep	
890-6063-37	D - 6 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-39	D - 6 4'	Total/NA	Solid	8015NM Prep	
890-6063-40	D - 19 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-42	D - 19 4'	Total/NA	Solid	8015NM Prep	
890-6063-43	C - 17 1'	Total/NA	Solid	8015NM Prep	
890-6063-44	C - 17 3'	Total/NA	Solid	8015NM Prep	
890-6063-45	C - 15 1'	Total/NA	Solid	8015NM Prep	
890-6063-46	C - 15 3'	Total/NA	Solid	8015NM Prep	
MB 870-17830/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17830/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17830/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6063-28 MS	D - 15 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-28 MSD	D - 15 0.5'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-28	D - 15 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-30	D - 15 4'	Total/NA	Solid	8015B NM	17830
890-6063-31	G - 12 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-33	G - 12 4'	Total/NA	Solid	8015B NM	17830
890-6063-34	D - 17 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-36	D - 17 4'	Total/NA	Solid	8015B NM	17830
890-6063-37	D - 6 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-39	D - 6 4'	Total/NA	Solid	8015B NM	17830
890-6063-40	D - 19 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-42	D - 19 4'	Total/NA	Solid	8015B NM	17830
890-6063-43	C - 17 1'	Total/NA	Solid	8015B NM	17830
890-6063-44	C - 17 3'	Total/NA	Solid	8015B NM	17830

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 17833 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-45	C - 15 1'	Total/NA	Solid	8015B NM	17830
890-6063-46	C - 15 3'	Total/NA	Solid	8015B NM	17830
MB 870-17830/3-A	Method Blank	Total/NA	Solid	8015B NM	17830
LCS 870-17830/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17830
LCSD 870-17830/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17830
890-6063-28 MS	D - 15 0.5'	Total/NA	Solid	8015B NM	17830
890-6063-28 MSD	D - 15 0.5'	Total/NA	Solid	8015B NM	17830

Analysis Batch: 17889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	8015 NM	
890-6063-2	A - 7 2'	Total/NA	Solid	8015 NM	
890-6063-3	A - 9 1'	Total/NA	Solid	8015 NM	
890-6063-5	A - 9 3'	Total/NA	Solid	8015 NM	
890-6063-6	B - 9 0.5'	Total/NA	Solid	8015 NM	
890-6063-8	B - 9 4'	Total/NA	Solid	8015 NM	
890-6063-9	B - 7 0.5'	Total/NA	Solid	8015 NM	
890-6063-11	B - 7 4'	Total/NA	Solid	8015 NM	
890-6063-12	B - 11 1'	Total/NA	Solid	8015 NM	
890-6063-13	B - 11 3'	Total/NA	Solid	8015 NM	
890-6063-14	C - 13 1'	Total/NA	Solid	8015 NM	
890-6063-15	C - 13 3'	Total/NA	Solid	8015 NM	
890-6063-16	D - 10 0.5'	Total/NA	Solid	8015 NM	
890-6063-18	D - 10 4'	Total/NA	Solid	8015 NM	
890-6063-19	C - 8 0.5'	Total/NA	Solid	8015 NM	
890-6063-21	C - 8 4'	Total/NA	Solid	8015 NM	
890-6063-22	E - 12 0.5'	Total/NA	Solid	8015 NM	
890-6063-24	E - 12 4'	Total/NA	Solid	8015 NM	
890-6063-25	F - 15 0.5'	Total/NA	Solid	8015 NM	
890-6063-27	F - 15 4'	Total/NA	Solid	8015 NM	
890-6063-28	D - 15 0.5'	Total/NA	Solid	8015 NM	
890-6063-30	D - 15 4'	Total/NA	Solid	8015 NM	
890-6063-31	G - 12 0.5'	Total/NA	Solid	8015 NM	
890-6063-33	G - 12 4'	Total/NA	Solid	8015 NM	
890-6063-34	D - 17 0.5'	Total/NA	Solid	8015 NM	
890-6063-36	D - 17 4'	Total/NA	Solid	8015 NM	
890-6063-37	D - 6 0.5'	Total/NA	Solid	8015 NM	
890-6063-39	D - 6 4'	Total/NA	Solid	8015 NM	
890-6063-40	D - 19 0.5'	Total/NA	Solid	8015 NM	
890-6063-42	D - 19 4'	Total/NA	Solid	8015 NM	
890-6063-43	C - 17 1'	Total/NA	Solid	8015 NM	
890-6063-44	C - 17 3'	Total/NA	Solid	8015 NM	
890-6063-45	C - 15 1'	Total/NA	Solid	8015 NM	
890-6063-46	C - 15 3'	Total/NA	Solid	8015 NM	

Prep Batch: 17918

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	8015NM Prep	
890-6063-2	A - 7 2'	Total/NA	Solid	8015NM Prep	
890-6063-3	A - 9 1'	Total/NA	Solid	8015NM Prep	
890-6063-5	A - 9 3'	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

GC Semi VOA (Continued)

Prep Batch: 17918 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-6	B - 9 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-8	B - 9 4'	Total/NA	Solid	8015NM Prep	
890-6063-9	B - 7 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-11	B - 7 4'	Total/NA	Solid	8015NM Prep	
890-6063-12	B - 11 1'	Total/NA	Solid	8015NM Prep	
890-6063-13	B - 11 3'	Total/NA	Solid	8015NM Prep	
890-6063-14	C - 13 1'	Total/NA	Solid	8015NM Prep	
890-6063-15	C - 13 3'	Total/NA	Solid	8015NM Prep	
890-6063-16	D - 10 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-18	D - 10 4'	Total/NA	Solid	8015NM Prep	
890-6063-19	C - 8 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-21	C - 8 4'	Total/NA	Solid	8015NM Prep	
890-6063-22	E - 12 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-24	E - 12 4'	Total/NA	Solid	8015NM Prep	
890-6063-25	F - 15 0.5'	Total/NA	Solid	8015NM Prep	
890-6063-27	F - 15 4'	Total/NA	Solid	8015NM Prep	
MB 870-17918/3-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 870-17918/1-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 870-17918/2-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6063-1 MS	A - 7 1'	Total/NA	Solid	8015NM Prep	
890-6063-1 MSD	A - 7 1'	Total/NA	Solid	8015NM Prep	

Analysis Batch: 17989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Total/NA	Solid	8015B NM	17918
890-6063-2	A - 7 2'	Total/NA	Solid	8015B NM	17918
890-6063-3	A - 9 1'	Total/NA	Solid	8015B NM	17918
890-6063-5	A - 9 3'	Total/NA	Solid	8015B NM	17918
890-6063-6	B - 9 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-8	B - 9 4'	Total/NA	Solid	8015B NM	17918
890-6063-9	B - 7 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-11	B - 7 4'	Total/NA	Solid	8015B NM	17918
890-6063-12	B - 11 1'	Total/NA	Solid	8015B NM	17918
890-6063-13	B - 11 3'	Total/NA	Solid	8015B NM	17918
890-6063-14	C - 13 1'	Total/NA	Solid	8015B NM	17918
890-6063-15	C - 13 3'	Total/NA	Solid	8015B NM	17918
890-6063-16	D - 10 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-18	D - 10 4'	Total/NA	Solid	8015B NM	17918
890-6063-19	C - 8 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-21	C - 8 4'	Total/NA	Solid	8015B NM	17918
890-6063-22	E - 12 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-24	E - 12 4'	Total/NA	Solid	8015B NM	17918
890-6063-25	F - 15 0.5'	Total/NA	Solid	8015B NM	17918
890-6063-27	F - 15 4'	Total/NA	Solid	8015B NM	17918
MB 870-17918/3-A	Method Blank	Total/NA	Solid	8015B NM	17918
LCS 870-17918/1-A	Lab Control Sample	Total/NA	Solid	8015B NM	17918
LCSD 870-17918/2-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	17918
890-6063-1 MS	A - 7 1'	Total/NA	Solid	8015B NM	17918
890-6063-1 MSD	A - 7 1'	Total/NA	Solid	8015B NM	17918

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

HPLC/IC

Leach Batch: 71974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Soluble	Solid	DI Leach	
890-6063-2	A - 7 2'	Soluble	Solid	DI Leach	
890-6063-3	A - 9 1'	Soluble	Solid	DI Leach	
890-6063-5	A - 9 3'	Soluble	Solid	DI Leach	
890-6063-6	B - 9 0.5'	Soluble	Solid	DI Leach	
890-6063-8	B - 9 4'	Soluble	Solid	DI Leach	
890-6063-9	B - 7 0.5'	Soluble	Solid	DI Leach	
MB 880-71974/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71974/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71974/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6063-1 MS	A - 7 1'	Soluble	Solid	DI Leach	
890-6063-1 MSD	A - 7 1'	Soluble	Solid	DI Leach	

Leach Batch: 71975

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-31	G - 12 0.5'	Soluble	Solid	DI Leach	
890-6063-33	G - 12 4'	Soluble	Solid	DI Leach	
890-6063-34	D - 17 0.5'	Soluble	Solid	DI Leach	
890-6063-36	D - 17 4'	Soluble	Solid	DI Leach	
890-6063-37	D - 6 0.5'	Soluble	Solid	DI Leach	
890-6063-39	D - 6 4'	Soluble	Solid	DI Leach	
890-6063-40	D - 19 0.5'	Soluble	Solid	DI Leach	
890-6063-42	D - 19 4'	Soluble	Solid	DI Leach	
890-6063-43	C - 17 1'	Soluble	Solid	DI Leach	
890-6063-44	C - 17 3'	Soluble	Solid	DI Leach	
890-6063-45	C - 15 1'	Soluble	Solid	DI Leach	
890-6063-46	C - 15 3'	Soluble	Solid	DI Leach	
MB 880-71975/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71975/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71975/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6063-31 MS	G - 12 0.5'	Soluble	Solid	DI Leach	
890-6063-31 MSD	G - 12 0.5'	Soluble	Solid	DI Leach	
890-6063-42 MS	D - 19 4'	Soluble	Solid	DI Leach	
890-6063-42 MSD	D - 19 4'	Soluble	Solid	DI Leach	

Leach Batch: 71976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-11	B - 7 4'	Soluble	Solid	DI Leach	
890-6063-12	B - 11 1'	Soluble	Solid	DI Leach	
890-6063-13	B - 11 3'	Soluble	Solid	DI Leach	
890-6063-14	C - 13 1'	Soluble	Solid	DI Leach	
890-6063-15	C - 13 3'	Soluble	Solid	DI Leach	
890-6063-16	D - 10 0.5'	Soluble	Solid	DI Leach	
890-6063-18	D - 10 4'	Soluble	Solid	DI Leach	
890-6063-19	C - 8 0.5'	Soluble	Solid	DI Leach	
890-6063-21	C - 8 4'	Soluble	Solid	DI Leach	
890-6063-22	E - 12 0.5'	Soluble	Solid	DI Leach	
890-6063-24	E - 12 4'	Soluble	Solid	DI Leach	
890-6063-25	F - 15 0.5'	Soluble	Solid	DI Leach	
890-6063-27	F - 15 4'	Soluble	Solid	DI Leach	
890-6063-28	D - 15 0.5'	Soluble	Solid	DI Leach	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

HPLC/IC (Continued)

Leach Batch: 71976 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-30	D - 15 4'	Soluble	Solid	DI Leach	
MB 880-71976/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-71976/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-71976/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6063-11 MS	B - 7 4'	Soluble	Solid	DI Leach	
890-6063-11 MSD	B - 7 4'	Soluble	Solid	DI Leach	
890-6063-21 MS	C - 8 4'	Soluble	Solid	DI Leach	
890-6063-21 MSD	C - 8 4'	Soluble	Solid	DI Leach	

Analysis Batch: 72257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-31	G - 12 0.5'	Soluble	Solid	300.0	71975
890-6063-33	G - 12 4'	Soluble	Solid	300.0	71975
890-6063-34	D - 17 0.5'	Soluble	Solid	300.0	71975
890-6063-36	D - 17 4'	Soluble	Solid	300.0	71975
890-6063-37	D - 6 0.5'	Soluble	Solid	300.0	71975
890-6063-39	D - 6 4'	Soluble	Solid	300.0	71975
890-6063-40	D - 19 0.5'	Soluble	Solid	300.0	71975
890-6063-42	D - 19 4'	Soluble	Solid	300.0	71975
890-6063-43	C - 17 1'	Soluble	Solid	300.0	71975
890-6063-44	C - 17 3'	Soluble	Solid	300.0	71975
890-6063-45	C - 15 1'	Soluble	Solid	300.0	71975
890-6063-46	C - 15 3'	Soluble	Solid	300.0	71975
MB 880-71975/1-A	Method Blank	Soluble	Solid	300.0	71975
LCS 880-71975/2-A	Lab Control Sample	Soluble	Solid	300.0	71975
LCSD 880-71975/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71975
890-6063-31 MS	G - 12 0.5'	Soluble	Solid	300.0	71975
890-6063-31 MSD	G - 12 0.5'	Soluble	Solid	300.0	71975
890-6063-42 MS	D - 19 4'	Soluble	Solid	300.0	71975
890-6063-42 MSD	D - 19 4'	Soluble	Solid	300.0	71975

Analysis Batch: 72282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-1	A - 7 1'	Soluble	Solid	300.0	71974
890-6063-2	A - 7 2'	Soluble	Solid	300.0	71974
890-6063-3	A - 9 1'	Soluble	Solid	300.0	71974
890-6063-5	A - 9 3'	Soluble	Solid	300.0	71974
890-6063-6	B - 9 0.5'	Soluble	Solid	300.0	71974
890-6063-8	B - 9 4'	Soluble	Solid	300.0	71974
890-6063-9	B - 7 0.5'	Soluble	Solid	300.0	71974
MB 880-71974/1-A	Method Blank	Soluble	Solid	300.0	71974
LCS 880-71974/2-A	Lab Control Sample	Soluble	Solid	300.0	71974
LCSD 880-71974/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71974
890-6063-1 MS	A - 7 1'	Soluble	Solid	300.0	71974
890-6063-1 MSD	A - 7 1'	Soluble	Solid	300.0	71974

Analysis Batch: 72283

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-11	B - 7 4'	Soluble	Solid	300.0	71976
890-6063-12	B - 11 1'	Soluble	Solid	300.0	71976
890-6063-13	B - 11 3'	Soluble	Solid	300.0	71976

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

HPLC/IC (Continued)

Analysis Batch: 72283 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6063-14	C - 13 1'	Soluble	Solid	300.0	71976
890-6063-15	C - 13 3'	Soluble	Solid	300.0	71976
890-6063-16	D - 10 0.5'	Soluble	Solid	300.0	71976
890-6063-18	D - 10 4'	Soluble	Solid	300.0	71976
890-6063-19	C - 8 0.5'	Soluble	Solid	300.0	71976
890-6063-21	C - 8 4'	Soluble	Solid	300.0	71976
890-6063-22	E - 12 0.5'	Soluble	Solid	300.0	71976
890-6063-24	E - 12 4'	Soluble	Solid	300.0	71976
890-6063-25	F - 15 0.5'	Soluble	Solid	300.0	71976
890-6063-27	F - 15 4'	Soluble	Solid	300.0	71976
890-6063-28	D - 15 0.5'	Soluble	Solid	300.0	71976
890-6063-30	D - 15 4'	Soluble	Solid	300.0	71976
MB 880-71976/1-A	Method Blank	Soluble	Solid	300.0	71976
LCS 880-71976/2-A	Lab Control Sample	Soluble	Solid	300.0	71976
LCSD 880-71976/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	71976
890-6063-11 MS	B - 7 4'	Soluble	Solid	300.0	71976
890-6063-11 MSD	B - 7 4'	Soluble	Solid	300.0	71976
890-6063-21 MS	C - 8 4'	Soluble	Solid	300.0	71976
890-6063-21 MSD	C - 8 4'	Soluble	Solid	300.0	71976

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 7 1'

Lab Sample ID: 890-6063-1
Matrix: Solid
Date Collected: 01/29/24 11:26
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 22:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/09/24 22:42	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 08:31	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 08:31	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		1			72282	02/04/24 21:08	CH	EET MID

Client Sample ID: A - 7 2'

Lab Sample ID: 890-6063-2
Matrix: Solid
Date Collected: 01/29/24 11:30
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 23:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/09/24 23:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 09:33	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.99 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 09:33	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		1			72282	02/04/24 21:29	CH	EET MID

Client Sample ID: A - 9 1'

Lab Sample ID: 890-6063-3
Matrix: Solid
Date Collected: 01/29/24 11:34
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 23:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/09/24 23:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 09:53	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 09:53	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		1			72282	02/04/24 21:35	CH	EET MID

Client Sample ID: A - 9 3'

Lab Sample ID: 890-6063-5
Matrix: Solid
Date Collected: 01/29/24 11:36
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/09/24 23:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/09/24 23:43	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: A - 9 3'

Lab Sample ID: 890-6063-5
Matrix: Solid
Date Collected: 01/29/24 11:36
Date Received: 01/29/24 17:00

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			17889	02/07/24 10:14	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 10:14	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		1			72282	02/04/24 22:03	CH	EET MID

Client Sample ID: B - 9 0.5'

Lab Sample ID: 890-6063-6
Matrix: Solid
Date Collected: 01/29/24 11:42
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 00:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 00:04	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 10:35	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 10:35	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		10			72282	02/04/24 22:09	CH	EET MID

Client Sample ID: B - 9 4'

Lab Sample ID: 890-6063-8
Matrix: Solid
Date Collected: 01/29/24 11:45
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 00:25	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 00:25	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 10:55	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 10:55	WP	EET DAL
Soluble	Leach	DI Leach			5.04 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		5			72282	02/04/24 22:23	CH	EET MID

Client Sample ID: B - 7 0.5'

Lab Sample ID: 890-6063-9
Matrix: Solid
Date Collected: 01/29/24 12:17
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 00:45	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 00:45	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 11:16	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 11:16	WP	EET DAL

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Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: B - 7 0.5'
Lab Sample ID: 890-6063-9
Date Collected: 01/29/24 12:17
Matrix: Solid
Date Received: 01/29/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.96 g	50 mL	71974	01/30/24 15:30	SMC	EET MID
Soluble	Analysis	300.0		10			72282	02/04/24 22:30	CH	EET MID

Client Sample ID: B - 7 4'
Lab Sample ID: 890-6063-11
Date Collected: 01/29/24 12:21
Matrix: Solid
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 01:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 01:06	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 11:36	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 11:36	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/04/24 23:31	CH	EET MID

Client Sample ID: B - 11 1'
Lab Sample ID: 890-6063-12
Date Collected: 01/29/24 12:23
Matrix: Solid
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 01:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 01:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 11:57	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 11:57	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		1			72283	02/04/24 23:51	CH	EET MID

Client Sample ID: B - 11 3'
Lab Sample ID: 890-6063-13
Date Collected: 01/29/24 12:25
Matrix: Solid
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 01:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 01:47	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 12:17	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 12:17	WP	EET DAL
Soluble	Leach	DI Leach			5.04 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		1			72283	02/04/24 23:58	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 13 1'

Lab Sample ID: 890-6063-14
Matrix: Solid
Date Collected: 01/29/24 12:28
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 03:11	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 03:11	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 12:59	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 12:59	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		1			72283	02/05/24 00:05	CH	EET MID

Client Sample ID: C - 13 3'

Lab Sample ID: 890-6063-15
Matrix: Solid
Date Collected: 01/29/24 12:30
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 03:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 03:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 13:19	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 13:19	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 00:11	CH	EET MID

Client Sample ID: D - 10 0.5'

Lab Sample ID: 890-6063-16
Matrix: Solid
Date Collected: 01/29/24 12:59
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 03:52	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 03:52	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 13:40	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 13:40	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		10			72283	02/05/24 00:32	CH	EET MID

Client Sample ID: D - 10 4'

Lab Sample ID: 890-6063-18
Matrix: Solid
Date Collected: 01/29/24 01:01
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 04:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 04:13	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 10 4'

Lab Sample ID: 890-6063-18
Matrix: Solid
Date Collected: 01/29/24 01:01
Date Received: 01/29/24 17:00

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			17889	02/07/24 14:00	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 14:00	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 00:45	CH	EET MID

Client Sample ID: C - 8 0.5'

Lab Sample ID: 890-6063-19
Matrix: Solid
Date Collected: 01/29/24 01:04
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 04:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 04:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 14:21	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 14:21	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		10			72283	02/05/24 00:52	CH	EET MID

Client Sample ID: C - 8 4'

Lab Sample ID: 890-6063-21
Matrix: Solid
Date Collected: 01/29/24 01:06
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 04:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 04:54	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 14:42	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 14:42	WP	EET DAL
Soluble	Leach	DI Leach			5.04 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 01:06	CH	EET MID

Client Sample ID: E - 12 0.5'

Lab Sample ID: 890-6063-22
Matrix: Solid
Date Collected: 01/29/24 01:08
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 05:15	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 05:15	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 15:02	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 15:02	WP	EET DAL

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: E - 12 0.5'

Lab Sample ID: 890-6063-22
Matrix: Solid
Date Collected: 01/29/24 01:08
Date Received: 01/29/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 01:26	CH	EET MID

Client Sample ID: E - 12 4'

Lab Sample ID: 890-6063-24
Matrix: Solid
Date Collected: 01/29/24 01:10
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 05:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 05:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 15:23	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 15:23	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 01:53	CH	EET MID

Client Sample ID: F - 15 0.5'

Lab Sample ID: 890-6063-25
Matrix: Solid
Date Collected: 01/29/24 01:40
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 05:56	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 05:56	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 15:43	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 15:43	WP	EET DAL
Soluble	Leach	DI Leach			5.02 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		1			72283	02/05/24 02:00	CH	EET MID

Client Sample ID: F - 15 4'

Lab Sample ID: 890-6063-27
Matrix: Solid
Date Collected: 01/29/24 01:42
Date Received: 01/29/24 17:00

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	72735	02/09/24 11:36	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72706	02/10/24 06:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 06:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 16:04	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	17918	02/02/24 15:46	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17989	02/07/24 16:04	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 02:14	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 15 0.5'
Lab Sample ID: 890-6063-28
Date Collected: 01/29/24 01:48
Matrix: Solid
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 09:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 09:39	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 18:46	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.05 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 18:46	WP	EET DAL
Soluble	Leach	DI Leach			4.97 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		1			72283	02/05/24 02:20	CH	EET MID

Client Sample ID: D - 15 4'
Lab Sample ID: 890-6063-30
Date Collected: 01/29/24 01:50
Matrix: Solid
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 09:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 09:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 19:47	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 19:47	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71976	01/30/24 16:06	SMC	EET MID
Soluble	Analysis	300.0		5			72283	02/05/24 02:34	CH	EET MID

Client Sample ID: G - 12 0.5'
Lab Sample ID: 890-6063-31
Date Collected: 01/29/24 01:52
Matrix: Solid
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 10:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 10:20	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 20:08	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 20:08	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		5			72257	02/04/24 11:54	CH	EET MID

Client Sample ID: G - 12 4'
Lab Sample ID: 890-6063-33
Date Collected: 01/29/24 01:54
Matrix: Solid
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 10:40	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 10:40	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: G - 12 4'

Lab Sample ID: 890-6063-33
Matrix: Solid
Date Collected: 01/29/24 01:54
Date Received: 01/29/24 17:00

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			17889	02/07/24 20:40	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.10 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 20:40	WP	EET DAL
Soluble	Leach	DI Leach			4.95 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		5			72257	02/04/24 12:21	CH	EET MID

Client Sample ID: D - 17 0.5'

Lab Sample ID: 890-6063-34
Matrix: Solid
Date Collected: 01/29/24 02:38
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 11:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 11:00	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 21:01	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 21:01	WP	EET DAL
Soluble	Leach	DI Leach			4.97 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		10			72257	02/04/24 12:27	CH	EET MID

Client Sample ID: D - 17 4'

Lab Sample ID: 890-6063-36
Matrix: Solid
Date Collected: 01/29/24 02:40
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 11:21	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 11:21	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 21:22	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 21:22	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/04/24 12:54	CH	EET MID

Client Sample ID: D - 6 0.5'

Lab Sample ID: 890-6063-37
Matrix: Solid
Date Collected: 01/29/24 02:41
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 11:41	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 11:41	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 21:42	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 21:42	WP	EET DAL

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: D - 6 0.5'

Lab Sample ID: 890-6063-37
Matrix: Solid
Date Collected: 01/29/24 02:41
Date Received: 01/29/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.01 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/04/24 13:01	CH	EET MID

Client Sample ID: D - 6 4'

Lab Sample ID: 890-6063-39
Matrix: Solid
Date Collected: 01/29/24 02:43
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 12:02	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 12:02	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 22:03	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 22:03	WP	EET DAL
Soluble	Leach	DI Leach			4.98 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/04/24 13:15	CH	EET MID

Client Sample ID: D - 19 0.5'

Lab Sample ID: 890-6063-40
Matrix: Solid
Date Collected: 01/29/24 02:44
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 12:22	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 12:22	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 22:23	CC	EET DAL
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 22:23	WP	EET DAL
Soluble	Leach	DI Leach			4.96 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		1			72257	02/04/24 13:21	CH	EET MID

Client Sample ID: D - 19 4'

Lab Sample ID: 890-6063-42
Matrix: Solid
Date Collected: 01/29/24 02:47
Date Received: 01/29/24 17:00

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	72602	02/07/24 16:55	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72754	02/10/24 12:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/10/24 12:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 22:44	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 22:44	WP	EET DAL
Soluble	Leach	DI Leach			4.99 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		10			72257	02/04/24 13:28	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 17 1'

Lab Sample ID: 890-6063-43
Matrix: Solid
Date Collected: 01/29/24 02:49
Date Received: 01/29/24 17:00

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 05:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/11/24 05:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 23:26	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 23:26	WP	EET DAL
Soluble	Leach	DI Leach			5.01 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		10			72257	02/04/24 13:55	CH	EET MID

Client Sample ID: C - 17 3'

Lab Sample ID: 890-6063-44
Matrix: Solid
Date Collected: 01/29/24 02:51
Date Received: 01/29/24 17:00

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 05:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/11/24 05:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/07/24 23:46	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/07/24 23:46	WP	EET DAL
Soluble	Leach	DI Leach			5.00 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		5			72257	02/04/24 14:15	CH	EET MID

Client Sample ID: C - 15 1'

Lab Sample ID: 890-6063-45
Matrix: Solid
Date Collected: 01/29/24 02:52
Date Received: 01/29/24 17:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 06:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/11/24 06:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			17889	02/08/24 00:07	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 00:07	WP	EET DAL
Soluble	Leach	DI Leach			5.03 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		10			72257	02/04/24 14:22	CH	EET MID

Client Sample ID: C - 15 3'

Lab Sample ID: 890-6063-46
Matrix: Solid
Date Collected: 01/29/24 02:55
Date Received: 01/29/24 17:00

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	72507	02/06/24 13:59	EL	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	72703	02/11/24 06:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			72857	02/11/24 06:51	SM	EET MID

Eurofins Carlsbad

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Client Sample ID: C - 15 3'
Date Collected: 01/29/24 02:55
Date Received: 01/29/24 17:00

Lab Sample ID: 890-6063-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			17889	02/08/24 00:28	CC	EET DAL
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	17830	02/02/24 16:33	WP	EET DAL
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	17833	02/08/24 00:28	WP	EET DAL
Soluble	Leach	DI Leach			5.05 g	50 mL	71975	01/30/24 16:02	SMC	EET MID
Soluble	Analysis	300.0		5			72257	02/04/24 14:29	CH	EET MID

Laboratory References:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Laboratory: Eurofins Dallas

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704295-23-34	06-30-24

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	T104704400-23-26	06-30-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET DAL
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET DAL
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET DAL
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET DAL = Eurofins Dallas, 9701 Harry Hines Blvd, Dallas, TX 75220, TEL (214)902-0300

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6063-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6063-1	A - 7 1'	Solid	01/29/24 11:26	01/29/24 17:00	1'
890-6063-2	A - 7 2'	Solid	01/29/24 11:30	01/29/24 17:00	2'
890-6063-3	A - 9 1'	Solid	01/29/24 11:34	01/29/24 17:00	1'
890-6063-5	A - 9 3'	Solid	01/29/24 11:36	01/29/24 17:00	3'
890-6063-6	B - 9 0.5'	Solid	01/29/24 11:42	01/29/24 17:00	0.5'
890-6063-8	B - 9 4'	Solid	01/29/24 11:45	01/29/24 17:00	4'
890-6063-9	B - 7 0.5'	Solid	01/29/24 12:17	01/29/24 17:00	0.5'
890-6063-11	B - 7 4'	Solid	01/29/24 12:21	01/29/24 17:00	4'
890-6063-12	B - 11 1'	Solid	01/29/24 12:23	01/29/24 17:00	1'
890-6063-13	B - 11 3'	Solid	01/29/24 12:25	01/29/24 17:00	3'
890-6063-14	C - 13 1'	Solid	01/29/24 12:28	01/29/24 17:00	1'
890-6063-15	C - 13 3'	Solid	01/29/24 12:30	01/29/24 17:00	3'
890-6063-16	D - 10 0.5'	Solid	01/29/24 12:59	01/29/24 17:00	0.5'
890-6063-18	D - 10 4'	Solid	01/29/24 01:01	01/29/24 17:00	4'
890-6063-19	C - 8 0.5'	Solid	01/29/24 01:04	01/29/24 17:00	0.5'
890-6063-21	C - 8 4'	Solid	01/29/24 01:06	01/29/24 17:00	4'
890-6063-22	E - 12 0.5'	Solid	01/29/24 01:08	01/29/24 17:00	0.5'
890-6063-24	E - 12 4'	Solid	01/29/24 01:10	01/29/24 17:00	4'
890-6063-25	F - 15 0.5'	Solid	01/29/24 01:40	01/29/24 17:00	0.5'
890-6063-27	F - 15 4'	Solid	01/29/24 01:42	01/29/24 17:00	4'
890-6063-28	D - 15 0.5'	Solid	01/29/24 01:48	01/29/24 17:00	0.5'
890-6063-30	D - 15 4'	Solid	01/29/24 01:50	01/29/24 17:00	4'
890-6063-31	G - 12 0.5'	Solid	01/29/24 01:52	01/29/24 17:00	0.5'
890-6063-33	G - 12 4'	Solid	01/29/24 01:54	01/29/24 17:00	4'
890-6063-34	D - 17 0.5'	Solid	01/29/24 02:38	01/29/24 17:00	0.5'
890-6063-36	D - 17 4'	Solid	01/29/24 02:40	01/29/24 17:00	4'
890-6063-37	D - 6 0.5'	Solid	01/29/24 02:41	01/29/24 17:00	0.5'
890-6063-39	D - 6 4'	Solid	01/29/24 02:43	01/29/24 17:00	4'
890-6063-40	D - 19 0.5'	Solid	01/29/24 02:44	01/29/24 17:00	0.5'
890-6063-42	D - 19 4'	Solid	01/29/24 02:47	01/29/24 17:00	4'
890-6063-43	C - 17 1'	Solid	01/29/24 02:49	01/29/24 17:00	1'
890-6063-44	C - 17 3'	Solid	01/29/24 02:51	01/29/24 17:00	3'
890-6063-45	C - 15 1'	Solid	01/29/24 02:52	01/29/24 17:00	1'
890-6063-46	C - 15 3'	Solid	01/29/24 02:55	01/29/24 17:00	3'

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: 6063

Page 1 of 5

Project Manager:	Joe Gustitus	Bill to: (if different)	Rob Mick
Company Name:	Tetra Tech	Company Name:	Solaris
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Hexar	Turn Around	
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Becky Sue	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Samples Received Intact:	Yes No	Temp Blank:	Yes No	Wet Ice: Yes No
Cooler Custody Seals:	Yes No N/A	Thermometer ID:		T-NM-007
Sample Custody Seals:	Yes No N/A	Correction Factor:		-0.2
Total Containers:		Temperature Reading:		5.4
		Corrected Temperature:		5.2

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3; H_2S0_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: Chlorides (EPA 300)	BTEX (8021B)	TPH (8015)		Sample Comments
BM ~~A-7 1'~~	S	1/29	11:26	1'	G	1		X	X	X		
A-7 2'	S		11:30	2'	G	1		X	X	X		
A-9 1'	S		11:34	1'	G	1		X	X	X		
A-9 2.5'	S		11:35	2.5'	G	1					X	
A-9 3'	S		11:36	3'	G	1		X	X	X		
B-9 0.5'	S		11:42	0.5'	G	1		X	X	X		
B-9 2'	S		11:43	2'	G	1					X	
B-9 4'	S		11:45	4'	G	1		X	X	X		
B-7 0.5'	S		12:17	0.5'	G	1		X	X	X		
B-7 2'	S		12:18	2'	G	1					X	

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 BMitchell		17:00 1/29	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 8/8/2024 8:33:35 AM

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Released to Imaging: 8/15/2024 3:54:37 PM

2/12/2024

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 2 of 5

Project Manager:	Joe Gressett	Bill to: (if different)	Rob Kirk
Company Name:	Texacon	Company Name:	Salatis
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Hexar	Turn Around	Pres. Code
Project Number:	1H247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Bicky Sue	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:	

ANALYSIS REQUEST

Parameters: Chloride (EPA 300); BTEX (8021B); TPH (8015); Metal

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3; 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	Chloride	BTEX	TPH	Metal	Sample Comments
B-7 4'	S	1/24	12:21	4'	G	1	X	X	X		
B-11 1'	S		12:23	1'	G	1	X	X	X		
B-11 3'	S		12:25	3'	G	1	X	X	X		
C-13 1'	S		12:28	1'	G	1	X	X	X		
C-13 3'	S		12:30	3'	G	1	X	X	X		
D-10 0.5'	S		12:59	0.5'	G	1	X	X	X		
D-10 2'	S		1:00	2'	G	1				X	
D-10 4'	S		1:01	4'	G	1	X	X	X		
C-8 0.5'	S		1:04	0.5'	G	1	X	X	X		
C-8 2'	S		1:05	2'	G	1				X	

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	B Miller		17:00 1/29	2		
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

Received by OCD: 8/8/2024 8:33:35 AM

Released to Imaging: 8/15/2024 3:54:37 PM

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Chain of Custody

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 3 of 5

Project Manager:	Joe Guerriero	Bill to: (if different)	Rob Kirk
Company Name:	Texacom	Company Name:	Salado
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Hexon	Turn Around	Pres. Code
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Bicky Sue	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
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: Chloride (EPA 300)	BTEX (8021B)	TPH (8015)	Metals	Sample Comments
C-8 4'	S	1/29	1:06	4'	G	1	X	X	X		
E-12 0.5'	S		1:08	0.5'	G	1	X	X	X		
E-12 2'	S		1:09	2'	G	1				X	
E-12 4'	S		1:10	4'	G	1	X	X	X		
F-15 0.5'	S		1:40	0.5'	G	1	X	X	X	X BM	
F-15 2'	S		1:41	2'	G	1				X	
F-15 4'	S		1:42	4'	G	1	X	X	X		
D-15 0.5'	S		1:48	0.5'	G	1	X	X	X		
D-15 2'	S		1:49	2'	G	1				X	
D-15 4'	S	↓	1:50	4	G	1	X	X	X		

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 B Miller		17:00 1/29	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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eurofins | Environment Testing

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
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 4 of 5

Project Manager:	Joe Guerrero	Bill to: (if different)	Rob Kirk
Company Name:	Texacom	Company Name:	Solaris
Address:	4518 W Pierce St.	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Hexon	Turn Around	
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Becky Miller	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; 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: Chloride (EPA 300)	BTEX (8021B)	TPH (8015)	Hazcat	Sample Comments
G-12 0.5'	S	1/29	1:52	0.5'	G	1	X	X	X		
G-12 2'	S		1:53	2'	G	1				X	
G-12 4'	S		1:54	4'	G	1	X	X	X		
D-17 0.5'	S		2:38	0.5'	G	1	X	X	X		
D-17 2'	S		2:39	2'	G	1				X	
D-17 4'	S		2:40	4'	G	1	X	X	X		
D-6 0.5'	S		2:41	0.5'	G	1	X	X	X		
D-6 2'	S		2:42	2'	G	1				X	
D-6 4'	S		2:43	4'	G	1	X	X	X		
D-19 0.5'	S	↓	2:44	0.5'	G	1	X	X	X		

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 BTMiller	Abeln	17:00 1/29	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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eurofins | Environment Testing

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
Little Rock, AR (501) 224-5060

Work Order No: _____

Page 5 of 5

Project Manager:	Joe Guerrero	Bill to: (if different)	Rob Kirk
Company Name:	Texacon	Company Name:	Salatos
Address:	4518 W Pierce St	Address:	
City, State ZIP:	Carlsbad NM 88220	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:	Hexan	Turn Around	
Project Number:	KH247007	☒ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Becky Sue	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
H_2S0_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: Chloride (EPA 300)	BTEX (8021B)	TPH (8015)	Hold	Sample Comments
D-19 2'	S	1/29	2:46	2'	G	1					X	
D-19 4'	S		2:47	4'	G	1		X	X	X		
C-17 1'	S		2:49	1'	G	1		X	X	X		
C-17 3'	S		2:51	3'	G	1		X	X	X		
C-15 1'	S		2:52	1'	G	1		X	X	X		
C-15 3'	S		2:55	3'	G	1		X	X	X		

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	B Tubbs	Abdon	17:00 1/29			
3				4		
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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

Chain of Custody Record

eurofins | Environment Testing

6062

Client Information	Sampler: David Yun	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-2101-68.1
Client Contact: Nathan Davis	Phone: 714-496-8182	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Aris Water Solutions	PWSID:			Job #:
Address: 907 Tradewinds Blvd	Due Date Requested:			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79706	Compliance Project: Δ Yes Δ No			
Phone: 575-631-9145(Tel)	PO #: Purchase Order not required			
Email: nathan.davis@ariswater.com	WO #:			
Project Name: Finished Water Tank	Project #: 89000167			
Site:	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1 Sulf	2320B - Local Method Un Pr	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
Stripper Bench 3	1/25/24	12:55	G	Water	No		x	x	3	
Stripper Bench 3	1/25/24	13:43	G	Water	No		x	x	3	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Y - Trizma
	Z - other (specify)

Other: H3PO4

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 01/29/24 14:30	Company: Carver	Received by:	Date/Time: 01/29/24 14:30	Company: Aris
Relinquished by:	Date/Time: 01/29/24 14:34	Company: Aris	Received by:	Date/Time: 1/29/24 14:34	Company: ARIS
Relinquished by:	Date/Time: 1/29/24 1558	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR#007 -0.2 3.8 3.6

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

Chain of Custody Record

eurofins | Environment Testing

6061

Client Information	Sampler: David Yun	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-2101-68.1
Client Contact: Nathan Davis	Phone: 714-496-8182	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Aris Water Solutions	PWSID:			Job #:
Address: 907 Tradewinds Blvd	Due Date Requested:			
City: Midland	TAT Requested (days):			
State, Zip: TX, 79706	Compliance Project: Δ Yes Δ No			
Phone: 575-631-9145(Tel)	PO #: Purchase Order not required			
Email: nathan.davis@ariswater.com	WO #:			
Project Name: Finished Water Tank	Project #: 89000167			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other: H3PO4

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1	2320B - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
Stripper Bench C	1/25/24	14:22	G	Water	No		x	x	2	
Stripper Bench C	1/25/24	15:08	G	Water	No		x	x	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
		01/29/24 14:30	Carver		01/29/24 14:30	Aris
		01/29/24 14:34	Aris		01/29/24 14:34	ARIS
		1/29/24 1558				

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: TNM007 -0.2 3.8 3.6

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

Chain of Custody Record

6060

eurofins | Environment Testing

Client Information	Sampler: David Yun	Lab PM: Builes, John	Carrier Tracking No(s):	COC No: 890-2101-68.1
Client Contact: Nathan Davis	Phone: 714-496-8182	E-Mail: John.Builes@et.eurofinsus.com	State of Origin:	Page: Page 1 of 1
Company: Aris Water Solutions	PWSID:			Job #:

Address: 907 Tradewinds Blvd	Due Date Requested:	
City: Midland	TAT Requested (days):	
State, Zip: TX, 79706	Compliance Project: Δ Yes Δ No	
Phone: 575-631-9145(Tel)	PO #: Purchase Order not required	
Email: nathan.davis@ariswater.com	WO #:	
Project Name: Finished Water Tank	Project #: 89000167	
Site:	SSOW#:	

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	350.1	2320B - Local Method	Total Number of containers	Special Instructions/Note:
			Preservation Code:				S	N		
Stripper Bench 1	1/25/24	11:00	G	Water	No		x	x	2	
Stripper Bench 1	1/25/24	12:03	G	Water	No		x	x	2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	01/29/24 14:30	Garve		01/29/24 14:30	ARI
Relinquished by:	01/29/24 14:30	ARI		1/29/24 14:40	ARI
Relinquished by:	1/29/24 1558				

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR#007 0.2 3.8 3.6

Ver: 01/16/2019

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9114.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6063-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/6/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Mobley to Trove	Project #: 89000158			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
A - 7 1' (890-6063-1)	1/29/24	11:26 Mountain		Solid			X	X	1	
A - 7 2' (890-6063-2)	1/29/24	11:30 Mountain		Solid			X	X	1	
A - 9 1' (890-6063-3)	1/29/24	11:34 Mountain		Solid			X	X	1	
A - 9 3' (890-6063-5)	1/29/24	11:36 Mountain		Solid			X	X	1	
B - 9 0.5' (890-6063-6)	1/29/24	11:42 Mountain		Solid			X	X	1	
B - 9 4' (890-6063-8)	1/29/24	11:45 Mountain		Solid			X	X	1	
B - 7 0.5' (890-6063-9)	1/29/24	12:17 Mountain		Solid			X	X	1	
B - 7 4' (890-6063-11)	1/29/24	12:21 Mountain		Solid			X	X	1	
B - 11 1' (890-6063-12)	1/29/24	12:23 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	AJ Fullop	2/6/24 957		Fullop		
2	Fullop			MS	2/6/24 957	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.6 IR#1004 -.4

Ver: 06/08/2021

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9114.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6063-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/6/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Mobley to Trove	Project #: 89000158			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
B - 11 3' (890-6063-13)	1/29/24	12:25 Mountain		Solid			X	X	1	
C - 13 1' (890-6063-14)	1/29/24	12:28 Mountain		Solid			X	X	1	
C - 13 3' (890-6063-15)	1/29/24	12:30 Mountain		Solid			X	X	1	
D - 10 0.5' (890-6063-16)	1/29/24	12:59 Mountain		Solid			X	X	1	
D - 10 4' (890-6063-18)	1/29/24	01:01 Mountain		Solid			X	X	1	
C - 8 0.5' (890-6063-19)	1/29/24	01:04 Mountain		Solid			X	X	1	
C - 8 4' (890-6063-21)	1/29/24	01:06 Mountain		Solid			X	X	1	
E - 12 0.5' (890-6063-22)	1/29/24	01:08 Mountain		Solid			X	X	1	
E - 12 4' (890-6063-24)	1/29/24	01:10 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: AJ	Date/Time:	Company	Received by: FedEx	Date/Time:	Company
Relinquished by: FedEx	Date/Time: 2/6/24 957	Company	Received by: JS	Date/Time: 2/6/24 957	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: FedEx 1 1.6 -.4

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9114.3
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 3 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6063-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/6/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Mobley to Trove	Project #: 89000158			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
F - 15 0.5' (890-6063-25)	1/29/24	01:40 Mountain		Solid			X	X	1	
F - 15 4' (890-6063-27)	1/29/24	01:42 Mountain		Solid			X	X	1	
D - 15 0.5' (890-6063-28)	1/29/24	01:48 Mountain		Solid			X	X	1	
D - 15 4' (890-6063-30)	1/29/24	01:50 Mountain		Solid			X	X	1	
G - 12 0.5' (890-6063-31)	1/29/24	01:52 Mountain		Solid			X	X	1	
G - 12 4' (890-6063-33)	1/29/24	01:54 Mountain		Solid			X	X	1	
D - 17 0.5' (890-6063-34)	1/29/24	02:38 Mountain		Solid			X	X	1	
D - 17 4' (890-6063-36)	1/29/24	02:40 Mountain		Solid			X	X	1	
D - 6 0.5' (890-6063-37)	1/29/24	02:41 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by: AJ FedEx	Date/Time: 2/6/24 957	Company	Received by: MS	Date/Time: 2/6/24 957	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: THM001 -.4 1/.6

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Eurofins Midland
1211 W. Florida Ave
Midland, TX 79701
Phone: 432-704-5440

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Kramer, Jessica	Carrier Tracking No(s):	COC No: 880-9114.4
Client Contact: Shipping/Receiving	Phone:	E-Mail: Jessica.Kramer@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 4 of 4
Company: Eurofins Environment Testing South Centr		Accreditations Required (See note): NELAP - Texas		Job #: 890-6063-1
Address: 9701 Harry Hines Blvd, ,	Due Date Requested: 2/6/2024			
City: Dallas	TAT Requested (days):			
State, Zip: TX, 75220				
Phone: 214-902-0300(Tel)	PO #:			
Email:	WO #:			
Project Name: Mobley to Trove	Project #: 89000158			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8015MOD_Calc	8015MOD_NM/8015NM_S_Prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
D - 6 4' (890-6063-39)	1/29/24	02:43 Mountain		Solid			X	X	1	
D - 19 0.5' (890-6063-40)	1/29/24	02:44 Mountain		Solid			X	X	1	
D - 19 4' (890-6063-42)	1/29/24	02:47 Mountain		Solid			X	X	1	
C - 17 1' (890-6063-43)	1/29/24	02:49 Mountain		Solid			X	X	1	
C - 17 3' (890-6063-44)	1/29/24	02:51 Mountain		Solid			X	X	1	
C - 15 1' (890-6063-45)	1/29/24	02:52 Mountain		Solid			X	X	1	
C - 15 3' (890-6063-46)	1/29/24	02:55 Mountain		Solid			X	X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing South Central, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing South Central, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing South Central, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing South Central, LLC.

Possible Hazard Identification *Unconfirmed*	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*** ☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: AJ	Date/Time: 2/6/24	Company	Received by: Fed Ex	Date/Time:	Company
Relinquished by: Fed Ex	Date/Time: 2/6/24 957	Company	Received by: MS	Date/Time: 2/6/24 957	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 17.6 THM001 -.4

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Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6063-1
SDG Number: KH247007

Login Number: 6063
List Number: 1
Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6063-1
SDG Number: KH247007

Login Number: 6063
List Number: 3
Creator: Sharp, Michael

List Source: Eurofins Dallas
List Creation: 02/06/24 10:19 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
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.	True	
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: Terracon Consulting Eng & Scientists

Job Number: 890-6063-1
SDG Number: KH247007

Login Number: 6063
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 01/31/24 12:23 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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Travis Casey
Terracon Consulting Eng & Scientists
5847 50th St
Lubbock, Texas 79424

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JOB DESCRIPTION

Mobley to Trove
KH247007

JOB NUMBER

890-6104-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

See page two for job notes and contact information.

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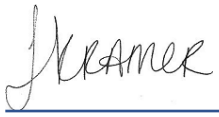
Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Laboratory Job ID: 890-6104-1
SDG: KH247007

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Definitions/Glossary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Qualifiers

GC VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
F1	MS and/or MSD recovery exceeds control limits.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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: Terracon Consulting Eng & Scientists Job ID: 890-6104-1
Project: Mobley to Trove

Job ID: 890-6104-1 **Eurofins Carlsbad**

Job Narrative
890-6104-1

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

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

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

Receipt
The samples were received on 2/2/2024 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was -10.2°C

Receipt Exceptions
The following samples were received and analyzed from an unpreserved bulk soil jar: H 10 (890-6104-1), G 10 (890-6104-2), H 11 (890-6104-3), G 11 (890-6104-4), G 9 (890-6104-5), H 9 (890-6104-6), E 3 - NSW (890-6104-7), E 3 - WSW (890-6104-8), E 5 - NSW (890-6104-9), E 7 - NSW (890-6104-10), E 9 - NSW (890-6104-11), E 11 - NSW (890-6104-12), G 4 (890-6104-13), G 5 (890-6104-14), G 6 (890-6104-15), G 7 (890-6104-16), G 8 (890-6104-17), H 8 (890-6104-18), H 7 (890-6104-19), H 6 (890-6104-20), H 5 (890-6104-21) and H 4 (890-6104-22).

GC VOA
Method 8021B: The matrix spike duplicate (MSD) recoveries for preparation batch 880-72955 and analytical batch 880-73077 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The following sample required a dilution due to the nature of the sample matrix: H 5 (890-6104-21). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method 8021B: The continuing calibration verification (CCV) associated with batch 880-73139 recovered under the lower control limit for Benzene, Ethylbenzene, Toluene, m-Xylene & p-Xylene and o-Xylene. The samples associated with this CCV were ran within 12 hours of passing CCV; therefore, the data have been reported.

Method 8021B: Surrogate recovery for the following samples were outside control limits: G 10 (890-6104-2), H 11 (890-6104-3), G 9 (890-6104-5), H 9 (890-6104-6), E 3 - NSW (890-6104-7), E 3 - WSW (890-6104-8), E 5 - NSW (890-6104-9), E 7 - NSW (890-6104-10), E 9 - NSW (890-6104-11), G 4 (890-6104-13), G 5 (890-6104-14), G 6 (890-6104-15), G 7 (890-6104-16), G 8 (890-6104-17), H 8 (890-6104-18), H 6 (890-6104-20), (890-6104-A-1-G MS) and (890-6104-A-1-H MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: Surrogate recovery for the following sample was outside control limits: (LCSD 880-72957/2-A). Evidence of matrix interferences is not obvious.

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

GC Semi VOA
Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72518 and analytical batch 880-72814 was outside the upper control limits.

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 880-72518 and analytical batch 880-72814 was outside control limits. Sample non-homogeneity is suspected.

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-72469 and analytical batch 880-72827 was outside the upper control limits.

Case Narrative

Client: Terracon Consulting Eng & Scientists Job ID: 890-6104-1
Project: Mobley to Trove

Job ID: 890-6104-1 (Continued) Eurofins Carlsbad

Method 8015MOD_NM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 880-72469 and analytical batch 880-72827 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.

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

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 10

Lab Sample ID: 890-6104-1
Matrix: Solid
Date Collected: 02/01/24 09:10
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:51	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/12/24 16:25	02/14/24 12:51	1
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.00401		mg/Kg		02/12/24 16:25	02/14/24 12:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 130*	*02/12/24 16:25*	*02/14/24 12:51*	*1*
1,4-Difluorobenzene (Surr)	*80*		*70 - 130*	*02/12/24 16:25*	*02/14/24 12:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 12:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 10:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	50.0		mg/Kg		02/06/24 10:47	02/12/24 10:02	1
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	50.0		mg/Kg		02/06/24 10:47	02/12/24 10:02	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 10:02	1
Total TPH	<50.0	U F1 F2	50.0		mg/Kg		02/06/24 10:47	02/12/24 10:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*124*		*70 - 130*	*02/06/24 10:47*	*02/12/24 10:02*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/06/24 10:47*	*02/12/24 10:02*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**311**		25.1		mg/Kg			02/07/24 19:49	5

Client Sample ID: G 10

Lab Sample ID: 890-6104-2
Matrix: Solid
Date Collected: 02/01/24 09:12
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:17	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:17	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:17	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 13:17	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 13:17	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:17	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 10

Lab Sample ID: 890-6104-2
Matrix: Solid
Date Collected: 02/01/24 09:12
Date Received: 02/02/24 09:40
Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*156*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 13:17*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/12/24 16:25*	*02/14/24 13:17*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 13:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			02/12/24 11:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		02/06/24 10:47	02/12/24 11:09	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		02/06/24 10:47	02/12/24 11:09	1
OII Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		02/06/24 10:47	02/12/24 11:09	1
Total TPH	<50.5	U	50.5		mg/Kg		02/06/24 10:47	02/12/24 11:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*116*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:09*	*1*
o-Terphenyl	*99*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**286**		25.1		mg/Kg			02/07/24 20:10	5

Client Sample ID: H 11

Lab Sample ID: 890-6104-3
Matrix: Solid
Date Collected: 02/01/24 09:16
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 13:43	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 13:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 13:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 13:43*	*1*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*	*02/12/24 16:25*	*02/14/24 13:43*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 13:43	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 11

Lab Sample ID: 890-6104-3
Matrix: Solid
Date Collected: 02/01/24 09:16
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			02/12/24 11:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.8	U	49.8		mg/Kg		02/06/24 10:47	02/12/24 11:31	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		02/06/24 10:47	02/12/24 11:31	1
OII Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		02/06/24 10:47	02/12/24 11:31	1
Total TPH	<49.8	U	49.8		mg/Kg		02/06/24 10:47	02/12/24 11:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:31*	*1*
o-Terphenyl	*98*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:31*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**126**		5.05		mg/Kg			02/07/24 20:17	1

Client Sample ID: G 11

Lab Sample ID: 890-6104-4
Matrix: Solid
Date Collected: 02/01/24 09:18
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 14:09	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 14:09	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 14:09	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/12/24 16:25	02/14/24 14:09	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/12/24 16:25	02/14/24 14:09	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*124*		*70 - 130*	*02/12/24 16:25*	*02/14/24 14:09*	*1*
1,4-Difluorobenzene (Surr)	*121*		*70 - 130*	*02/12/24 16:25*	*02/14/24 14:09*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/24 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/24 11:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 11:53	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 11:53	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 11:53	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 11

Lab Sample ID: 890-6104-4
Matrix: Solid
Date Collected: 02/01/24 09:18
Date Received: 02/02/24 09:40
Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*107*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:53*	*1*
o-Terphenyl	*90*		*70 - 130*	*02/06/24 10:47*	*02/12/24 11:53*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**64.0**		5.04		mg/Kg			02/07/24 20:23	1

Client Sample ID: G 9

Lab Sample ID: 890-6104-5
Matrix: Solid
Date Collected: 02/01/24 09:20
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 14:35	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 14:35	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 14:35	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/12/24 16:25	02/14/24 14:35	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/12/24 16:25	02/14/24 14:35	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*155*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 14:35*	*1*
1,4-Difluorobenzene (Surr)	*88*		*70 - 130*	*02/12/24 16:25*	*02/14/24 14:35*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/14/24 14:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.1	U	50.1		mg/Kg			02/12/24 12:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	50.1		mg/Kg		02/06/24 10:47	02/12/24 12:15	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		02/06/24 10:47	02/12/24 12:15	1
OII Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		02/06/24 10:47	02/12/24 12:15	1
Total TPH	<50.1	U	50.1		mg/Kg		02/06/24 10:47	02/12/24 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*105*		*70 - 130*	*02/06/24 10:47*	*02/12/24 12:15*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/06/24 10:47*	*02/12/24 12:15*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 9

Lab Sample ID: 890-6104-5
Matrix: Solid
Date Collected: 02/01/24 09:20
Date Received: 02/02/24 09:40
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	363		25.0		mg/Kg			02/07/24 20:30	5

Client Sample ID: H 9

Lab Sample ID: 890-6104-6
Matrix: Solid
Date Collected: 02/01/24 09:30
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:01	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:01	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:01	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 15:01	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 15:01	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*163*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 15:01*	*1*
1,4-Difluorobenzene (Surr)	*111*		*70 - 130*	*02/12/24 16:25*	*02/14/24 15:01*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 15:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/12/24 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 12:37	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 12:37	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 12:37	1
Total TPH	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/06/24 10:47*	*02/12/24 12:37*	*1*
o-Terphenyl	*107*		*70 - 130*	*02/06/24 10:47*	*02/12/24 12:37*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	340		24.8		mg/Kg			02/07/24 20:50	5

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 3 - NSW

Lab Sample ID: 890-6104-7
Matrix: Solid
Date Collected: 02/01/24 10:50
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:27	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:27	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:27	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 15:27	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 15:27	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 15:27*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*02/12/24 16:25*	*02/14/24 15:27*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 15:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			02/12/24 13:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		02/06/24 10:47	02/12/24 13:00	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		02/06/24 10:47	02/12/24 13:00	1
OII Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		02/06/24 10:47	02/12/24 13:00	1
Total TPH	<49.7	U	49.7		mg/Kg		02/06/24 10:47	02/12/24 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*101*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:00*	*1*
o-Terphenyl	*87*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:00*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**573**		24.9		mg/Kg			02/07/24 20:57	5

Client Sample ID: E 3 - WSW

Lab Sample ID: 890-6104-8
Matrix: Solid
Date Collected: 02/01/24 10:54
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 15:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 15:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 15:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/12/24 16:25	02/14/24 15:53	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/12/24 16:25	02/14/24 15:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 15:53	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 3 - WSW

Lab Sample ID: 890-6104-8
Matrix: Solid
Date Collected: 02/01/24 10:54
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*146*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 15:53*	*1*
1,4-Difluorobenzene (Surr)	*110*		*70 - 130*	*02/12/24 16:25*	*02/14/24 15:53*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/24 15:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/24 13:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 13:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 13:22	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 13:22	1
Total TPH	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 13:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*95*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:22*	*1*
o-Terphenyl	*79*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:22*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**344**		24.9		mg/Kg			02/07/24 21:04	5

Client Sample ID: E 5 - NSW

Lab Sample ID: 890-6104-9
Matrix: Solid
Date Collected: 02/01/24 11:00
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 16:18	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 16:18	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 16:18	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/12/24 16:25	02/14/24 16:18	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/12/24 16:25	02/14/24 16:18	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 16:18*	*1*
1,4-Difluorobenzene (Surr)	*107*		*70 - 130*	*02/12/24 16:25*	*02/14/24 16:18*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/14/24 16:18	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 5 - NSW

Date Collected: 02/01/24 11:00
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

Lab Sample ID: 890-6104-9
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/24 13:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 13:45	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 13:45	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 13:45	1
Total TPH	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*112*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:45*	*1*
o-Terphenyl	*95*		*70 - 130*	*02/06/24 10:47*	*02/12/24 13:45*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**182**		25.1		mg/Kg			02/07/24 21:11	5

Client Sample ID: E 7 - NSW

Date Collected: 02/01/24 11:04
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

Lab Sample ID: 890-6104-10
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 16:44	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 16:44	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 16:44	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/12/24 16:25	02/14/24 16:44	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/12/24 16:25	02/14/24 16:44	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*188*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 16:44*	*1*
1,4-Difluorobenzene (Surr)	*126*		*70 - 130*	*02/12/24 16:25*	*02/14/24 16:44*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 16:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/12/24 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 14:07	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 14:07	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 14:07	1

Eurofins Carlsbad

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 7 - NSW

Lab Sample ID: 890-6104-10
Matrix: Solid
Date Collected: 02/01/24 11:04
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 14:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*121*		*70 - 130*	*02/06/24 10:47*	*02/12/24 14:07*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/06/24 10:47*	*02/12/24 14:07*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**368**		25.2		mg/Kg			02/07/24 21:18	5

Client Sample ID: E 9 - NSW

Lab Sample ID: 890-6104-11
Matrix: Solid
Date Collected: 02/01/24 11:10
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:26	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:26	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:26	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 18:26	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 18:26	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 18:26*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/12/24 16:25*	*02/14/24 18:26*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 18:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/12/24 14:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 14:52	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 14:52	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 14:52	1
Total TPH	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*106*		*70 - 130*	*02/06/24 10:47*	*02/12/24 14:52*	*1*
o-Terphenyl	*91*		*70 - 130*	*02/06/24 10:47*	*02/12/24 14:52*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 9 - NSW

Lab Sample ID: 890-6104-11
Matrix: Solid
Date Collected: 02/01/24 11:10
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	478		25.0		mg/Kg			02/07/24 21:24	5

Client Sample ID: E 11 - NSW

Lab Sample ID: 890-6104-12
Matrix: Solid
Date Collected: 02/01/24 11:14
Date Received: 02/02/24 09:40
Sample Depth: 0 - 5.5'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 18:51	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 18:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*123*		*70 - 130*	*02/12/24 16:25*	*02/14/24 18:51*	*1*
1,4-Difluorobenzene (Surr)	*106*		*70 - 130*	*02/12/24 16:25*	*02/14/24 18:51*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 18:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 15:14	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 15:14	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 15:14	1
Total TPH	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*123*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:14*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:14*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	609		25.1		mg/Kg			02/07/24 21:45	5

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 4

Lab Sample ID: 890-6104-13
Matrix: Solid
Date Collected: 02/01/24 14:10
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 19:16	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 19:16	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 19:16	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/12/24 16:25	02/14/24 19:16	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/12/24 16:25	02/14/24 19:16	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*166*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 19:16*	*1*
1,4-Difluorobenzene (Surr)	*123*		*70 - 130*	*02/12/24 16:25*	*02/14/24 19:16*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/24 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			02/12/24 15:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 15:36	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 15:36	1
OII Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 15:36	1
Total TPH	<50.3	U	50.3		mg/Kg		02/06/24 10:47	02/12/24 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:36*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:36*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2460**		50.1		mg/Kg			02/07/24 21:51	10

Client Sample ID: G 5

Lab Sample ID: 890-6104-14
Matrix: Solid
Date Collected: 02/01/24 14:14
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 19:42	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 19:42	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 19:42	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/12/24 16:25	02/14/24 19:42	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/12/24 16:25	02/14/24 19:42	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 19:42	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 5

Lab Sample ID: 890-6104-14
Matrix: Solid
Date Collected: 02/01/24 14:14
Date Received: 02/02/24 09:40
Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*186*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 19:42*	*1*
1,4-Difluorobenzene (Surr)	*102*		*70 - 130*	*02/12/24 16:25*	*02/14/24 19:42*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/14/24 19:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/24 15:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 15:58	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 15:58	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 15:58	1
Total TPH	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 15:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*104*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:58*	*1*
o-Terphenyl	*89*		*70 - 130*	*02/06/24 10:47*	*02/12/24 15:58*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2300**		49.7		mg/Kg			02/07/24 22:12	10

Client Sample ID: G 6

Lab Sample ID: 890-6104-15
Matrix: Solid
Date Collected: 02/01/24 14:18
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 20:07	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 20:07	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 20:07	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/12/24 16:25	02/14/24 20:07	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/12/24 16:25	02/14/24 20:07	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 20:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*193*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 20:07*	*1*
1,4-Difluorobenzene (Surr)	*109*		*70 - 130*	*02/12/24 16:25*	*02/14/24 20:07*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 20:07	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 6

Lab Sample ID: 890-6104-15
Matrix: Solid
Date Collected: 02/01/24 14:18
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/12/24 16:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 16:20	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 16:20	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 16:20	1
Total TPH	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*118*		*70 - 130*	*02/06/24 10:47*	*02/12/24 16:20*	*1*
o-Terphenyl	*96*		*70 - 130*	*02/06/24 10:47*	*02/12/24 16:20*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1500**		24.8		mg/Kg			02/07/24 22:19	5

Client Sample ID: G 7

Lab Sample ID: 890-6104-16
Matrix: Solid
Date Collected: 02/01/24 14:20
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 20:33	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 20:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*291*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 20:33*	*1*
1,4-Difluorobenzene (Surr)	*87*		*70 - 130*	*02/12/24 16:25*	*02/14/24 20:33*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 20:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/12/24 16:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 16:42	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 16:42	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 16:42	1

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Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 7

Lab Sample ID: 890-6104-16
Matrix: Solid
Date Collected: 02/01/24 14:20
Date Received: 02/02/24 09:40
Sample Depth: 2'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		02/06/24 10:47	02/12/24 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*120*		*70 - 130*	*02/06/24 10:47*	*02/12/24 16:42*	*1*
o-Terphenyl	*100*		*70 - 130*	*02/06/24 10:47*	*02/12/24 16:42*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2370**		50.3		mg/Kg			02/07/24 22:25	10

Client Sample ID: G 8

Lab Sample ID: 890-6104-17
Matrix: Solid
Date Collected: 02/01/24 14:24
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:58	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:58	1
Toluene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:58	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		02/12/24 16:25	02/14/24 20:58	1
m-Xylene & p-Xylene	<0.00398	U *+	0.00398		mg/Kg		02/12/24 16:25	02/14/24 20:58	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		02/12/24 16:25	02/14/24 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*165*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 20:58*	*1*
1,4-Difluorobenzene (Surr)	*118*		*70 - 130*	*02/12/24 16:25*	*02/14/24 20:58*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			02/14/24 20:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			02/12/24 17:05	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 17:05	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 17:05	1
OII Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 17:05	1
Total TPH	<50.2	U	50.2		mg/Kg		02/06/24 10:47	02/12/24 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*93*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:05*	*1*
o-Terphenyl	*80*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:05*	*1*

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 8

Lab Sample ID: 890-6104-17
Matrix: Solid
Date Collected: 02/01/24 14:24
Date Received: 02/02/24 09:40
Sample Depth: 2'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1730		25.3		mg/Kg			02/07/24 22:32	5

Client Sample ID: H 8

Lab Sample ID: 890-6104-18
Matrix: Solid
Date Collected: 02/01/24 14:30
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 21:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 21:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 21:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		02/12/24 16:25	02/14/24 21:23	1
m-Xylene & p-Xylene	<0.00399	U *+	0.00399		mg/Kg		02/12/24 16:25	02/14/24 21:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*197*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 21:23*	*1*
1,4-Difluorobenzene (Surr)	*127*		*70 - 130*	*02/12/24 16:25*	*02/14/24 21:23*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			02/14/24 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/12/24 17:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 17:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 17:27	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 17:27	1
Total TPH	<49.6	U	49.6		mg/Kg		02/06/24 10:47	02/12/24 17:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*119*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:27*	*1*
o-Terphenyl	*102*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:27*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1920		24.9		mg/Kg			02/07/24 22:39	5

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 7

Lab Sample ID: 890-6104-19
Matrix: Solid
Date Collected: 02/01/24 14:34
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 21:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 21:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 21:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		02/12/24 16:25	02/14/24 21:49	1
m-Xylene & p-Xylene	<0.00402	U *+	0.00402		mg/Kg		02/12/24 16:25	02/14/24 21:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		02/12/24 16:25	02/14/24 21:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*127*		*70 - 130*	*02/12/24 16:25*	*02/14/24 21:49*	*1*
1,4-Difluorobenzene (Surr)	*84*		*70 - 130*	*02/12/24 16:25*	*02/14/24 21:49*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			02/14/24 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			02/12/24 17:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 17:49	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 17:49	1
OII Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 17:49	1
Total TPH	<50.4	U	50.4		mg/Kg		02/06/24 10:47	02/12/24 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*99*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:49*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/06/24 10:47*	*02/12/24 17:49*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**787**		25.0		mg/Kg			02/07/24 22:46	5

Client Sample ID: H 6

Lab Sample ID: 890-6104-20
Matrix: Solid
Date Collected: 02/01/24 14:38
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 22:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 22:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 22:14	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/12/24 16:25	02/14/24 22:14	1
m-Xylene & p-Xylene	<0.00401	U *+	0.00401		mg/Kg		02/12/24 16:25	02/14/24 22:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 22:14	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 6

Lab Sample ID: 890-6104-20
Matrix: Solid
Date Collected: 02/01/24 14:38
Date Received: 02/02/24 09:40
Sample Depth: 2'

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*153*	*S1+*	*70 - 130*	*02/12/24 16:25*	*02/14/24 22:14*	*1*
1,4-Difluorobenzene (Surr)	*73*		*70 - 130*	*02/12/24 16:25*	*02/14/24 22:14*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 22:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			02/12/24 18:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 18:11	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 18:11	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 18:11	1
Total TPH	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 18:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	*99*		*70 - 130*	*02/06/24 10:47*	*02/12/24 18:11*	*1*
o-Terphenyl	*84*		*70 - 130*	*02/06/24 10:47*	*02/12/24 18:11*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**686**		25.2		mg/Kg			02/07/24 22:52	5

Client Sample ID: H 5

Lab Sample ID: 890-6104-21
Matrix: Solid
Date Collected: 02/01/24 14:42
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/14/24 01:24	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/14/24 01:24	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/14/24 01:24	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/12/24 16:23	02/14/24 01:24	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/12/24 16:23	02/14/24 01:24	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/14/24 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*6*	*S1-*	*70 - 130*	*02/12/24 16:23*	*02/14/24 01:24*	*1*
1,4-Difluorobenzene (Surr)	*96*		*70 - 130*	*02/12/24 16:23*	*02/14/24 01:24*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 01:24	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 5

Lab Sample ID: 890-6104-21
Matrix: Solid
Date Collected: 02/01/24 14:42
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			02/11/24 18:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		02/06/24 14:12	02/11/24 18:09	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		02/06/24 14:12	02/11/24 18:09	1
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		02/06/24 14:12	02/11/24 18:09	1
Total TPH	<49.9	U	49.9		mg/Kg		02/06/24 14:12	02/11/24 18:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*92*		*70 - 130*	*02/06/24 14:12*	*02/11/24 18:09*	*1*
o-Terphenyl	*97*		*70 - 130*	*02/06/24 14:12*	*02/11/24 18:09*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**613**		25.1		mg/Kg			02/06/24 23:48	5

Client Sample ID: H 4

Lab Sample ID: 890-6104-22
Matrix: Solid
Date Collected: 02/01/24 14:46
Date Received: 02/02/24 09:40
Sample Depth: 2'

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/14/24 14:00	02/14/24 15:59	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/14/24 14:00	02/14/24 15:59	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/14/24 14:00	02/14/24 15:59	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		02/14/24 14:00	02/14/24 15:59	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		02/14/24 14:00	02/14/24 15:59	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/14/24 14:00	02/14/24 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*72*		*70 - 130*	*02/14/24 14:00*	*02/14/24 15:59*	*1*
1,4-Difluorobenzene (Surr)	*81*		*70 - 130*	*02/14/24 14:00*	*02/14/24 15:59*	*1*

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			02/14/24 15:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			02/11/24 18:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		02/06/24 14:12	02/11/24 18:32	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		02/06/24 14:12	02/11/24 18:32	1
OII Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		02/06/24 14:12	02/11/24 18:32	1

Client Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 4
Date Collected: 02/01/24 14:46
Date Received: 02/02/24 09:40
Sample Depth: 2'

Lab Sample ID: 890-6104-22
Matrix: Solid

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg		02/06/24 14:12	02/11/24 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*114*		*70 - 130*	*02/06/24 14:12*	*02/11/24 18:32*	*1*
o-Terphenyl	*120*		*70 - 130*	*02/06/24 14:12*	*02/11/24 18:32*	*1*

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**451**		25.1		mg/Kg			02/06/24 23:54	5

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		BFB1	DFBZ1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-39266-A-7-D MS	Matrix Spike	110	93
880-39266-A-7-E MSD	Matrix Spike Duplicate	115	92
890-6100-A-21-H MS	Matrix Spike	113	99
890-6100-A-21-I MSD	Matrix Spike Duplicate	111	95
890-6104-1	H 10	119	80
890-6104-1 MS	H 10	141 S1+	82
890-6104-1 MSD	H 10	151 S1+	112
890-6104-2	G 10	156 S1+	87
890-6104-3	H 11	141 S1+	103
890-6104-4	G 11	124	121
890-6104-5	G 9	155 S1+	88
890-6104-6	H 9	163 S1+	111
890-6104-7	E 3 - NSW	166 S1+	127
890-6104-8	E 3 - WSW	146 S1+	110
890-6104-9	E 5 - NSW	153 S1+	107
890-6104-10	E 7 - NSW	188 S1+	126
890-6104-11	E 9 - NSW	148 S1+	101
890-6104-12	E 11 - NSW	123	106
890-6104-13	G 4	166 S1+	123
890-6104-14	G 5	186 S1+	102
890-6104-15	G 6	193 S1+	109
890-6104-16	G 7	291 S1+	87
890-6104-17	G 8	165 S1+	118
890-6104-18	H 8	197 S1+	127
890-6104-19	H 7	127	84
890-6104-20	H 6	153 S1+	73
890-6104-21	H 5	6 S1-	96
890-6104-22	H 4	72	81
LCS 880-72955/1-A	Lab Control Sample	109	103
LCS 880-72957/1-A	Lab Control Sample	128	99
LCS 880-73089/1-A	Lab Control Sample	111	84
LCSD 880-72955/2-A	Lab Control Sample Dup	101	97
LCSD 880-72957/2-A	Lab Control Sample Dup	148 S1+	71
LCSD 880-73089/2-A	Lab Control Sample Dup	110	94
MB 880-72955/5-A	Method Blank	79	98
MB 880-72957/5-A	Method Blank	96	101
MB 880-73089/5-A	Method Blank	84	96

Surrogate Legend

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

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		1CO1	OTPH1
Lab Sample ID	Client Sample ID	(70-130)	(70-130)
880-38939-A-41-C MS	Matrix Spike	109	100
880-38939-A-41-D MSD	Matrix Spike Duplicate	88	80

Surrogate Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
890-6104-1	H 10	124	107
890-6104-1 MS	H 10	135 S1+	102
890-6104-1 MSD	H 10	110	83
890-6104-2	G 10	116	99
890-6104-3	H 11	114	98
890-6104-4	G 11	107	90
890-6104-5	G 9	105	91
890-6104-6	H 9	123	107
890-6104-7	E 3 - NSW	101	87
890-6104-8	E 3 - WSW	95	79
890-6104-9	E 5 - NSW	112	95
890-6104-10	E 7 - NSW	121	100
890-6104-11	E 9 - NSW	106	91
890-6104-12	E 11 - NSW	123	102
890-6104-13	G 4	120	100
890-6104-14	G 5	104	89
890-6104-15	G 6	118	96
890-6104-16	G 7	120	100
890-6104-17	G 8	93	80
890-6104-18	H 8	119	102
890-6104-19	H 7	99	84
890-6104-20	H 6	99	84
890-6104-21	H 5	92	97
890-6104-22	H 4	114	120
LCS 880-72469/2-A	Lab Control Sample	124	120
LCS 880-72518/2-A	Lab Control Sample	117	113
LCSD 880-72469/3-A	Lab Control Sample Dup	102	104
LCSD 880-72518/3-A	Lab Control Sample Dup	128	124
MB 880-72469/1-A	Method Blank	180 S1+	162 S1+
MB 880-72518/1-A	Method Blank	171 S1+	184 S1+

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-72955/5-A
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72955

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/13/24 19:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/13/24 19:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/13/24 19:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/12/24 16:23	02/13/24 19:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/12/24 16:23	02/13/24 19:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:23	02/13/24 19:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*79*		*70 - 130*	*02/12/24 16:23*	*02/13/24 19:14*	*1*
1,4-Difluorobenzene (Surr)	*98*		*70 - 130*	*02/12/24 16:23*	*02/13/24 19:14*	*1*

Lab Sample ID: LCS 880-72955/1-A
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72955

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.1125		mg/Kg		112	70 - 130		
Ethylbenzene			0.100	0.1135		mg/Kg		113	70 - 130		
Toluene			0.100	0.1232		mg/Kg		123	70 - 130		
m-Xylene & p-Xylene			0.200	0.2276		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1140		mg/Kg		114	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*109*		*70 - 130*
1,4-Difluorobenzene (Surr)	*103*		*70 - 130*

Lab Sample ID: LCSD 880-72955/2-A
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72955

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.08835		mg/Kg		88	70 - 130	24	35
Ethylbenzene			0.100	0.09665		mg/Kg		97	70 - 130	16	35
Toluene			0.100	0.1024		mg/Kg		102	70 - 130	18	35
m-Xylene & p-Xylene			0.200	0.1953		mg/Kg		98	70 - 130	15	35
o-Xylene			0.100	0.09790		mg/Kg		98	70 - 130	15	35

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

Lab Sample ID: 890-6100-A-21-H MS
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U F1	0.0996	0.08307		mg/Kg		83	70 - 130		
Ethylbenzene	<0.00200	U	0.0996	0.1027		mg/Kg		103	70 - 130		

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: 890-6100-A-21-H MS
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72955

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	<0.00200	U	0.0996	0.1142		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2143		mg/Kg		108	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1235		mg/Kg		124	70 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*113*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: 890-6100-A-21-I MSD
Matrix: Solid
Analysis Batch: 73077

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72955

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U F1	0.0990	0.06653	F1	mg/Kg		67	70 - 130	22	35
Ethylbenzene	<0.00200	U	0.0990	0.09269		mg/Kg		94	70 - 130	10	35
Toluene	<0.00200	U	0.0990	0.09217		mg/Kg		93	70 - 130	21	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.1976		mg/Kg		100	70 - 130	8	35
o-Xylene	<0.00200	U	0.0990	0.1039		mg/Kg		105	70 - 130	17	35

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*111*		*70 - 130*
1,4-Difluorobenzene (Surr)	*95*		*70 - 130*

Lab Sample ID: MB 880-72957/5-A
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:25	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:25	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:25	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/12/24 16:25	02/14/24 12:25	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/12/24 16:25	02/14/24 12:25	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/12/24 16:25	02/14/24 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*70 - 130*	*02/12/24 16:25*	*02/14/24 12:25*	*1*
1,4-Difluorobenzene (Surr)	*101*		*70 - 130*	*02/12/24 16:25*	*02/14/24 12:25*	*1*

Lab Sample ID: LCS 880-72957/1-A
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72957

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.08654		mg/Kg		87	70 - 130
Ethylbenzene	0.100	0.1125		mg/Kg		112	70 - 130
Toluene	0.100	0.09645		mg/Kg		96	70 - 130
m-Xylene & p-Xylene	0.200	0.2557		mg/Kg		128	70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: LCS 880-72957/1-A
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
o-Xylene			0.100	0.1130		mg/Kg		113	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*128*		*70 - 130*
1,4-Difluorobenzene (Surr)	*99*		*70 - 130*

Lab Sample ID: LCSD 880-72957/2-A
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.09958		mg/Kg		100	70 - 130	14	35
Ethylbenzene			0.100	0.1065		mg/Kg		106	70 - 130	5	35
Toluene			0.100	0.08405		mg/Kg		84	70 - 130	14	35
m-Xylene & p-Xylene			0.200	0.2534		mg/Kg		127	70 - 130	1	35
o-Xylene			0.100	0.1128		mg/Kg		113	70 - 130	0	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*148*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*71*		*70 - 130*

Lab Sample ID: 890-6104-1 MS
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: H 10
Prep Type: Total/NA
Prep Batch: 72957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene	<0.00200	U	0.0996	0.08993		mg/Kg		90	70 - 130		
Ethylbenzene	<0.00200	U	0.0996	0.1059		mg/Kg		106	70 - 130		
Toluene	<0.00200	U	0.0996	0.09238		mg/Kg		93	70 - 130		
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.199	0.2222		mg/Kg		112	70 - 130		
o-Xylene	<0.00200	U	0.0996	0.1015		mg/Kg		102	70 - 130		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*141*	*S1+*	*70 - 130*
1,4-Difluorobenzene (Surr)	*82*		*70 - 130*

Lab Sample ID: 890-6104-1 MSD
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: H 10
Prep Type: Total/NA
Prep Batch: 72957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08382		mg/Kg		85	70 - 130	7	35
Ethylbenzene	<0.00200	U	0.0990	0.08621		mg/Kg		87	70 - 130	20	35
Toluene	<0.00200	U	0.0990	0.1003		mg/Kg		101	70 - 130	8	35
m-Xylene & p-Xylene	<0.00401	U *+ F1	0.198	0.2320		mg/Kg		117	70 - 130	4	35
o-Xylene	<0.00200	U	0.0990	0.1055		mg/Kg		107	70 - 130	4	35

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: 890-6104-1 MSD
Matrix: Solid
Analysis Batch: 73106

Client Sample ID: H 10
Prep Type: Total/NA
Prep Batch: 72957

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	151	S1+	70 - 130
1,4-Difluorobenzene (Surr)	112		70 - 130

Lab Sample ID: MB 880-73089/5-A
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 73089

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		02/13/24 16:42	02/14/24 13:14	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		02/13/24 16:42	02/14/24 13:14	1
Toluene	<0.00200	U	0.00200		mg/Kg		02/13/24 16:42	02/14/24 13:14	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		02/13/24 16:42	02/14/24 13:14	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		02/13/24 16:42	02/14/24 13:14	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		02/13/24 16:42	02/14/24 13:14	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	02/13/24 16:42	02/14/24 13:14	1
1,4-Difluorobenzene (Surr)	96		70 - 130	02/13/24 16:42	02/14/24 13:14	1

Lab Sample ID: LCS 880-73089/1-A
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 73089

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzene			0.100	0.07510		mg/Kg		75	70 - 130		
Ethylbenzene			0.100	0.1121		mg/Kg		112	70 - 130		
Toluene			0.100	0.1081		mg/Kg		108	70 - 130		
m-Xylene & p-Xylene			0.200	0.2288		mg/Kg		114	70 - 130		
o-Xylene			0.100	0.1128		mg/Kg		113	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	111		70 - 130
1,4-Difluorobenzene (Surr)	84		70 - 130

Lab Sample ID: LCSD 880-73089/2-A
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73089

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene			0.100	0.1031		mg/Kg		103	70 - 130	31	35
Ethylbenzene			0.100	0.1132		mg/Kg		113	70 - 130	1	35
Toluene			0.100	0.1191		mg/Kg		119	70 - 130	10	35
m-Xylene & p-Xylene			0.200	0.2319		mg/Kg		116	70 - 130	1	35
o-Xylene			0.100	0.1146		mg/Kg		115	70 - 130	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-73089/2-A
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 73089

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

Lab Sample ID: 880-39266-A-7-D MS
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 73089

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00200	U	0.0996	0.09547		mg/Kg		95	70 - 130
Ethylbenzene	<0.00200	U	0.0996	0.1032		mg/Kg		103	70 - 130
Toluene	<0.00200	U	0.0996	0.1101		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.199	0.2107		mg/Kg		105	70 - 130
o-Xylene	<0.00200	U	0.0996	0.1052		mg/Kg		105	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	93		70 - 130

Lab Sample ID: 880-39266-A-7-E MSD
Matrix: Solid
Analysis Batch: 73139

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 73089

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.0990	0.08771		mg/Kg		87	70 - 130	8	35
Ethylbenzene	<0.00200	U	0.0990	0.1078		mg/Kg		108	70 - 130	4	35
Toluene	<0.00200	U	0.0990	0.1102		mg/Kg		111	70 - 130	0	35
m-Xylene & p-Xylene	<0.00401	U	0.198	0.2246		mg/Kg		113	70 - 130	6	35
o-Xylene	<0.00200	U	0.0990	0.1119		mg/Kg		112	70 - 130	6	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	92		70 - 130

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

Lab Sample ID: MB 880-72469/1-A
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72469

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 07:25	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 07:25	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 07:25	1
Total TPH	<50.0	U	50.0		mg/Kg		02/06/24 10:47	02/12/24 07:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	180	S1+	70 - 130	02/06/24 10:47	02/12/24 07:25	1

Eurofins Carlsbad

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: MB 880-72469/1-A
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72469

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	162	S1+	70 - 130	02/06/24 10:47	02/12/24 07:25	1

Lab Sample ID: LCS 880-72469/2-A
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72469

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10			1000	1017		mg/Kg		102	70 - 130		
Diesel Range Organics (Over C10-C28)			1000	1104		mg/Kg		110	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1-Chlorooctane	124		70 - 130
o-Terphenyl	120		70 - 130

Lab Sample ID: LCSD 880-72469/3-A
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72469

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10			1000	999.1		mg/Kg		100	70 - 130	2	20
Diesel Range Organics (Over C10-C28)			1000	931.9		mg/Kg		93	70 - 130	17	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	102		70 - 130
o-Terphenyl	104		70 - 130

Lab Sample ID: 890-6104-1 MS
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: H 10
Prep Type: Total/NA
Prep Batch: 72469

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U F2	1000	1265		mg/Kg		124	70 - 130		
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	1000	1375	F1	mg/Kg		135	70 - 130		

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	135	S1+	70 - 130
o-Terphenyl	102		70 - 130

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: 890-6104-1 MSD
Matrix: Solid
Analysis Batch: 72827

Client Sample ID: H 10
Prep Type: Total/NA
Prep Batch: 72469

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	<50.0	U F2	1000	907.8	F2	mg/Kg		88	70 - 130	33	20
Diesel Range Organics (Over C10-C28)	<50.0	U F1 F2	1000	1105	F2	mg/Kg		108	70 - 130	22	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1-Chlorooctane	*110*		*70 - 130*
o-Terphenyl	*83*		*70 - 130*

Lab Sample ID: MB 880-72518/1-A
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 72518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		02/06/24 14:12	02/11/24 07:47	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		02/06/24 14:12	02/11/24 07:47	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		02/06/24 14:12	02/11/24 07:47	1
Total TPH	<50.0	U	50.0		mg/Kg		02/06/24 14:12	02/11/24 07:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1-Chlorooctane	*171*	*S1+*	*70 - 130*	*02/06/24 14:12*	*02/11/24 07:47*	*1*
o-Terphenyl	*184*	*S1+*	*70 - 130*	*02/06/24 14:12*	*02/11/24 07:47*	*1*

Lab Sample ID: LCS 880-72518/2-A
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 72518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	988.2		mg/Kg		99	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1013		mg/Kg		101	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1-Chlorooctane	*117*		*70 - 130*
o-Terphenyl	*113*		*70 - 130*

Lab Sample ID: LCSD 880-72518/3-A
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1120		mg/Kg		112	70 - 130	13	20
Diesel Range Organics (Over C10-C28)	1000	1134		mg/Kg		113	70 - 130	11	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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

Lab Sample ID: LCSD 880-72518/3-A
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 72518

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1-Chlorooctane	128		70 - 130
o-Terphenyl	124		70 - 130

Lab Sample ID: 880-38939-A-41-C MS
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 72518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<49.8	U F2	1000	1100		mg/Kg		106	70 - 130
Diesel Range Organics (Over C10-C28)	<49.8	U F2	1000	1017		mg/Kg		99	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
1-Chlorooctane	109		70 - 130
o-Terphenyl	100		70 - 130

Lab Sample ID: 880-38939-A-41-D MSD
Matrix: Solid
Analysis Batch: 72814

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 72518

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	<49.8	U F2	1000	890.6	F2	mg/Kg		85	70 - 130	21	20
Diesel Range Organics (Over C10-C28)	<49.8	U F2	1000	825.7	F2	mg/Kg		80	70 - 130	21	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
1-Chlorooctane	88		70 - 130
o-Terphenyl	80		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-72305/1-A
Matrix: Solid
Analysis Batch: 72467

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/06/24 21:05	1

Lab Sample ID: LCS 880-72305/2-A
Matrix: Solid
Analysis Batch: 72467

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	255.0		mg/Kg		102	90 - 110

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: LCSD 880-72305/3-A
Matrix: Solid
Analysis Batch: 72467

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	254.3		mg/Kg		102	90 - 110	0	20

Lab Sample ID: 890-6096-A-5-B MS
Matrix: Solid
Analysis Batch: 72467

Client Sample ID: Matrix Spike
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	102		253	368.0		mg/Kg		105	90 - 110		

Lab Sample ID: 890-6096-A-5-C MSD
Matrix: Solid
Analysis Batch: 72467

Client Sample ID: Matrix Spike Duplicate
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	102		253	365.8		mg/Kg		104	90 - 110	1	20

Lab Sample ID: MB 880-72375/1-A
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<5.00	U	5.00		mg/Kg			02/07/24 19:29	1

Lab Sample ID: LCS 880-72375/2-A
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			250	262.1		mg/Kg		105	90 - 110		

Lab Sample ID: LCSD 880-72375/3-A
Matrix: Solid
Analysis Batch: 72552

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	257.9		mg/Kg		103	90 - 110	2	20

Lab Sample ID: 890-6104-1 MS
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: H 10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	311		1260	1619		mg/Kg		104	90 - 110		

Lab Sample ID: 890-6104-1 MSD
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: H 10
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	311		1260	1648		mg/Kg		107	90 - 110	2	20

QC Sample Results

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6104-11 MS
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: E 9 - NSW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	478		1250	1777		mg/Kg		104	90 - 110

Lab Sample ID: 890-6104-11 MSD
Matrix: Solid
Analysis Batch: 72552

Client Sample ID: E 9 - NSW
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	478		1250	1774		mg/Kg		104	90 - 110	0	20

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

GC VOA

Prep Batch: 72955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Total/NA	Solid	5035	
MB 880-72955/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72955/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72955/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6100-A-21-H MS	Matrix Spike	Total/NA	Solid	5035	
890-6100-A-21-I MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Prep Batch: 72957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	5035	
890-6104-2	G 10	Total/NA	Solid	5035	
890-6104-3	H 11	Total/NA	Solid	5035	
890-6104-4	G 11	Total/NA	Solid	5035	
890-6104-5	G 9	Total/NA	Solid	5035	
890-6104-6	H 9	Total/NA	Solid	5035	
890-6104-7	E 3 - NSW	Total/NA	Solid	5035	
890-6104-8	E 3 - WSW	Total/NA	Solid	5035	
890-6104-9	E 5 - NSW	Total/NA	Solid	5035	
890-6104-10	E 7 - NSW	Total/NA	Solid	5035	
890-6104-11	E 9 - NSW	Total/NA	Solid	5035	
890-6104-12	E 11 - NSW	Total/NA	Solid	5035	
890-6104-13	G 4	Total/NA	Solid	5035	
890-6104-14	G 5	Total/NA	Solid	5035	
890-6104-15	G 6	Total/NA	Solid	5035	
890-6104-16	G 7	Total/NA	Solid	5035	
890-6104-17	G 8	Total/NA	Solid	5035	
890-6104-18	H 8	Total/NA	Solid	5035	
890-6104-19	H 7	Total/NA	Solid	5035	
890-6104-20	H 6	Total/NA	Solid	5035	
MB 880-72957/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-72957/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-72957/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6104-1 MS	H 10	Total/NA	Solid	5035	
890-6104-1 MSD	H 10	Total/NA	Solid	5035	

Analysis Batch: 73077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Total/NA	Solid	8021B	72955
MB 880-72955/5-A	Method Blank	Total/NA	Solid	8021B	72955
LCS 880-72955/1-A	Lab Control Sample	Total/NA	Solid	8021B	72955
LCSD 880-72955/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72955
890-6100-A-21-H MS	Matrix Spike	Total/NA	Solid	8021B	72955
890-6100-A-21-I MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	72955

Prep Batch: 73089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-22	H 4	Total/NA	Solid	5035	
MB 880-73089/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-73089/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-73089/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-39266-A-7-D MS	Matrix Spike	Total/NA	Solid	5035	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

GC VOA (Continued)

Prep Batch: 73089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-39266-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	5035	

Analysis Batch: 73106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	8021B	72957
890-6104-2	G 10	Total/NA	Solid	8021B	72957
890-6104-3	H 11	Total/NA	Solid	8021B	72957
890-6104-4	G 11	Total/NA	Solid	8021B	72957
890-6104-5	G 9	Total/NA	Solid	8021B	72957
890-6104-6	H 9	Total/NA	Solid	8021B	72957
890-6104-7	E 3 - NSW	Total/NA	Solid	8021B	72957
890-6104-8	E 3 - WSW	Total/NA	Solid	8021B	72957
890-6104-9	E 5 - NSW	Total/NA	Solid	8021B	72957
890-6104-10	E 7 - NSW	Total/NA	Solid	8021B	72957
890-6104-11	E 9 - NSW	Total/NA	Solid	8021B	72957
890-6104-12	E 11 - NSW	Total/NA	Solid	8021B	72957
890-6104-13	G 4	Total/NA	Solid	8021B	72957
890-6104-14	G 5	Total/NA	Solid	8021B	72957
890-6104-15	G 6	Total/NA	Solid	8021B	72957
890-6104-16	G 7	Total/NA	Solid	8021B	72957
890-6104-17	G 8	Total/NA	Solid	8021B	72957
890-6104-18	H 8	Total/NA	Solid	8021B	72957
890-6104-19	H 7	Total/NA	Solid	8021B	72957
890-6104-20	H 6	Total/NA	Solid	8021B	72957
MB 880-72957/5-A	Method Blank	Total/NA	Solid	8021B	72957
LCS 880-72957/1-A	Lab Control Sample	Total/NA	Solid	8021B	72957
LCSD 880-72957/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	72957
890-6104-1 MS	H 10	Total/NA	Solid	8021B	72957
890-6104-1 MSD	H 10	Total/NA	Solid	8021B	72957

Analysis Batch: 73139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-22	H 4	Total/NA	Solid	8021B	73089
MB 880-73089/5-A	Method Blank	Total/NA	Solid	8021B	73089
LCS 880-73089/1-A	Lab Control Sample	Total/NA	Solid	8021B	73089
LCSD 880-73089/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	73089
880-39266-A-7-D MS	Matrix Spike	Total/NA	Solid	8021B	73089
880-39266-A-7-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8021B	73089

Analysis Batch: 73154

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	Total BTEX	
890-6104-2	G 10	Total/NA	Solid	Total BTEX	
890-6104-3	H 11	Total/NA	Solid	Total BTEX	
890-6104-4	G 11	Total/NA	Solid	Total BTEX	
890-6104-5	G 9	Total/NA	Solid	Total BTEX	
890-6104-6	H 9	Total/NA	Solid	Total BTEX	
890-6104-7	E 3 - NSW	Total/NA	Solid	Total BTEX	
890-6104-8	E 3 - WSW	Total/NA	Solid	Total BTEX	
890-6104-9	E 5 - NSW	Total/NA	Solid	Total BTEX	
890-6104-10	E 7 - NSW	Total/NA	Solid	Total BTEX	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

GC VOA (Continued)

Analysis Batch: 73154 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-11	E 9 - NSW	Total/NA	Solid	Total BTEX	
890-6104-12	E 11 - NSW	Total/NA	Solid	Total BTEX	
890-6104-13	G 4	Total/NA	Solid	Total BTEX	
890-6104-14	G 5	Total/NA	Solid	Total BTEX	
890-6104-15	G 6	Total/NA	Solid	Total BTEX	
890-6104-16	G 7	Total/NA	Solid	Total BTEX	
890-6104-17	G 8	Total/NA	Solid	Total BTEX	
890-6104-18	H 8	Total/NA	Solid	Total BTEX	
890-6104-19	H 7	Total/NA	Solid	Total BTEX	
890-6104-20	H 6	Total/NA	Solid	Total BTEX	
890-6104-21	H 5	Total/NA	Solid	Total BTEX	
890-6104-22	H 4	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 72469

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	8015NM Prep	
890-6104-2	G 10	Total/NA	Solid	8015NM Prep	
890-6104-3	H 11	Total/NA	Solid	8015NM Prep	
890-6104-4	G 11	Total/NA	Solid	8015NM Prep	
890-6104-5	G 9	Total/NA	Solid	8015NM Prep	
890-6104-6	H 9	Total/NA	Solid	8015NM Prep	
890-6104-7	E 3 - NSW	Total/NA	Solid	8015NM Prep	
890-6104-8	E 3 - WSW	Total/NA	Solid	8015NM Prep	
890-6104-9	E 5 - NSW	Total/NA	Solid	8015NM Prep	
890-6104-10	E 7 - NSW	Total/NA	Solid	8015NM Prep	
890-6104-11	E 9 - NSW	Total/NA	Solid	8015NM Prep	
890-6104-12	E 11 - NSW	Total/NA	Solid	8015NM Prep	
890-6104-13	G 4	Total/NA	Solid	8015NM Prep	
890-6104-14	G 5	Total/NA	Solid	8015NM Prep	
890-6104-15	G 6	Total/NA	Solid	8015NM Prep	
890-6104-16	G 7	Total/NA	Solid	8015NM Prep	
890-6104-17	G 8	Total/NA	Solid	8015NM Prep	
890-6104-18	H 8	Total/NA	Solid	8015NM Prep	
890-6104-19	H 7	Total/NA	Solid	8015NM Prep	
890-6104-20	H 6	Total/NA	Solid	8015NM Prep	
MB 880-72469/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72469/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72469/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6104-1 MS	H 10	Total/NA	Solid	8015NM Prep	
890-6104-1 MSD	H 10	Total/NA	Solid	8015NM Prep	

Prep Batch: 72518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Total/NA	Solid	8015NM Prep	
890-6104-22	H 4	Total/NA	Solid	8015NM Prep	
MB 880-72518/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-72518/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-72518/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-38939-A-41-C MS	Matrix Spike	Total/NA	Solid	8015NM Prep	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

GC Semi VOA (Continued)

Prep Batch: 72518 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-38939-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 72814

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Total/NA	Solid	8015B NM	72518
890-6104-22	H 4	Total/NA	Solid	8015B NM	72518
MB 880-72518/1-A	Method Blank	Total/NA	Solid	8015B NM	72518
LCS 880-72518/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72518
LCSD 880-72518/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72518
880-38939-A-41-C MS	Matrix Spike	Total/NA	Solid	8015B NM	72518
880-38939-A-41-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	72518

Analysis Batch: 72827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	8015B NM	72469
890-6104-2	G 10	Total/NA	Solid	8015B NM	72469
890-6104-3	H 11	Total/NA	Solid	8015B NM	72469
890-6104-4	G 11	Total/NA	Solid	8015B NM	72469
890-6104-5	G 9	Total/NA	Solid	8015B NM	72469
890-6104-6	H 9	Total/NA	Solid	8015B NM	72469
890-6104-7	E 3 - NSW	Total/NA	Solid	8015B NM	72469
890-6104-8	E 3 - WSW	Total/NA	Solid	8015B NM	72469
890-6104-9	E 5 - NSW	Total/NA	Solid	8015B NM	72469
890-6104-10	E 7 - NSW	Total/NA	Solid	8015B NM	72469
890-6104-11	E 9 - NSW	Total/NA	Solid	8015B NM	72469
890-6104-12	E 11 - NSW	Total/NA	Solid	8015B NM	72469
890-6104-13	G 4	Total/NA	Solid	8015B NM	72469
890-6104-14	G 5	Total/NA	Solid	8015B NM	72469
890-6104-15	G 6	Total/NA	Solid	8015B NM	72469
890-6104-16	G 7	Total/NA	Solid	8015B NM	72469
890-6104-17	G 8	Total/NA	Solid	8015B NM	72469
890-6104-18	H 8	Total/NA	Solid	8015B NM	72469
890-6104-19	H 7	Total/NA	Solid	8015B NM	72469
890-6104-20	H 6	Total/NA	Solid	8015B NM	72469
MB 880-72469/1-A	Method Blank	Total/NA	Solid	8015B NM	72469
LCS 880-72469/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	72469
LCSD 880-72469/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	72469
890-6104-1 MS	H 10	Total/NA	Solid	8015B NM	72469
890-6104-1 MSD	H 10	Total/NA	Solid	8015B NM	72469

Analysis Batch: 72974

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Total/NA	Solid	8015 NM	
890-6104-2	G 10	Total/NA	Solid	8015 NM	
890-6104-3	H 11	Total/NA	Solid	8015 NM	
890-6104-4	G 11	Total/NA	Solid	8015 NM	
890-6104-5	G 9	Total/NA	Solid	8015 NM	
890-6104-6	H 9	Total/NA	Solid	8015 NM	
890-6104-7	E 3 - NSW	Total/NA	Solid	8015 NM	
890-6104-8	E 3 - WSW	Total/NA	Solid	8015 NM	
890-6104-9	E 5 - NSW	Total/NA	Solid	8015 NM	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

GC Semi VOA (Continued)

Analysis Batch: 72974 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-10	E 7 - NSW	Total/NA	Solid	8015 NM	
890-6104-11	E 9 - NSW	Total/NA	Solid	8015 NM	
890-6104-12	E 11 - NSW	Total/NA	Solid	8015 NM	
890-6104-13	G 4	Total/NA	Solid	8015 NM	
890-6104-14	G 5	Total/NA	Solid	8015 NM	
890-6104-15	G 6	Total/NA	Solid	8015 NM	
890-6104-16	G 7	Total/NA	Solid	8015 NM	
890-6104-17	G 8	Total/NA	Solid	8015 NM	
890-6104-18	H 8	Total/NA	Solid	8015 NM	
890-6104-19	H 7	Total/NA	Solid	8015 NM	
890-6104-20	H 6	Total/NA	Solid	8015 NM	
890-6104-21	H 5	Total/NA	Solid	8015 NM	
890-6104-22	H 4	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 72305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Soluble	Solid	DI Leach	
890-6104-22	H 4	Soluble	Solid	DI Leach	
MB 880-72305/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72305/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72305/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6096-A-5-B MS	Matrix Spike	Soluble	Solid	DI Leach	
890-6096-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Leach Batch: 72375

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Soluble	Solid	DI Leach	
890-6104-2	G 10	Soluble	Solid	DI Leach	
890-6104-3	H 11	Soluble	Solid	DI Leach	
890-6104-4	G 11	Soluble	Solid	DI Leach	
890-6104-5	G 9	Soluble	Solid	DI Leach	
890-6104-6	H 9	Soluble	Solid	DI Leach	
890-6104-7	E 3 - NSW	Soluble	Solid	DI Leach	
890-6104-8	E 3 - WSW	Soluble	Solid	DI Leach	
890-6104-9	E 5 - NSW	Soluble	Solid	DI Leach	
890-6104-10	E 7 - NSW	Soluble	Solid	DI Leach	
890-6104-11	E 9 - NSW	Soluble	Solid	DI Leach	
890-6104-12	E 11 - NSW	Soluble	Solid	DI Leach	
890-6104-13	G 4	Soluble	Solid	DI Leach	
890-6104-14	G 5	Soluble	Solid	DI Leach	
890-6104-15	G 6	Soluble	Solid	DI Leach	
890-6104-16	G 7	Soluble	Solid	DI Leach	
890-6104-17	G 8	Soluble	Solid	DI Leach	
890-6104-18	H 8	Soluble	Solid	DI Leach	
890-6104-19	H 7	Soluble	Solid	DI Leach	
890-6104-20	H 6	Soluble	Solid	DI Leach	
MB 880-72375/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-72375/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-72375/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	

QC Association Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

HPLC/IC (Continued)

Leach Batch: 72375 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1 MS	H 10	Soluble	Solid	DI Leach	
890-6104-1 MSD	H 10	Soluble	Solid	DI Leach	
890-6104-11 MS	E 9 - NSW	Soluble	Solid	DI Leach	
890-6104-11 MSD	E 9 - NSW	Soluble	Solid	DI Leach	

Analysis Batch: 72467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-21	H 5	Soluble	Solid	300.0	72305
890-6104-22	H 4	Soluble	Solid	300.0	72305
MB 880-72305/1-A	Method Blank	Soluble	Solid	300.0	72305
LCS 880-72305/2-A	Lab Control Sample	Soluble	Solid	300.0	72305
LCSD 880-72305/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72305
890-6096-A-5-B MS	Matrix Spike	Soluble	Solid	300.0	72305
890-6096-A-5-C MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	72305

Analysis Batch: 72552

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6104-1	H 10	Soluble	Solid	300.0	72375
890-6104-2	G 10	Soluble	Solid	300.0	72375
890-6104-3	H 11	Soluble	Solid	300.0	72375
890-6104-4	G 11	Soluble	Solid	300.0	72375
890-6104-5	G 9	Soluble	Solid	300.0	72375
890-6104-6	H 9	Soluble	Solid	300.0	72375
890-6104-7	E 3 - NSW	Soluble	Solid	300.0	72375
890-6104-8	E 3 - WSW	Soluble	Solid	300.0	72375
890-6104-9	E 5 - NSW	Soluble	Solid	300.0	72375
890-6104-10	E 7 - NSW	Soluble	Solid	300.0	72375
890-6104-11	E 9 - NSW	Soluble	Solid	300.0	72375
890-6104-12	E 11 - NSW	Soluble	Solid	300.0	72375
890-6104-13	G 4	Soluble	Solid	300.0	72375
890-6104-14	G 5	Soluble	Solid	300.0	72375
890-6104-15	G 6	Soluble	Solid	300.0	72375
890-6104-16	G 7	Soluble	Solid	300.0	72375
890-6104-17	G 8	Soluble	Solid	300.0	72375
890-6104-18	H 8	Soluble	Solid	300.0	72375
890-6104-19	H 7	Soluble	Solid	300.0	72375
890-6104-20	H 6	Soluble	Solid	300.0	72375
MB 880-72375/1-A	Method Blank	Soluble	Solid	300.0	72375
LCS 880-72375/2-A	Lab Control Sample	Soluble	Solid	300.0	72375
LCSD 880-72375/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	72375
890-6104-1 MS	H 10	Soluble	Solid	300.0	72375
890-6104-1 MSD	H 10	Soluble	Solid	300.0	72375
890-6104-11 MS	E 9 - NSW	Soluble	Solid	300.0	72375
890-6104-11 MSD	E 9 - NSW	Soluble	Solid	300.0	72375

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 10
Date Collected: 02/01/24 09:10
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-1
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			4.99 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 12:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 10:02	SM	EET MID
Total/NA	Prep	8015NM Prep			10.00 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 10:02	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 19:49	CH	EET MID

Client Sample ID: G 10
Date Collected: 02/01/24 09:12
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 13:17	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 13:17	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 11:09	SM	EET MID
Total/NA	Prep	8015NM Prep			9.91 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 11:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 20:10	CH	EET MID

Client Sample ID: H 11
Date Collected: 02/01/24 09:16
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 13:43	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 13:43	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.04 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 11:31	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		1			72552	02/07/24 20:17	CH	EET MID

Client Sample ID: G 11
Date Collected: 02/01/24 09:18
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-4
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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 14:09	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 14:09	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 11
Date Collected: 02/01/24 09:18
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-4
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			72974	02/12/24 11:53	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 11:53	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		1			72552	02/07/24 20:23	CH	EET MID

Client Sample ID: G 9
Date Collected: 02/01/24 09:20
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-5
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			4.98 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 14:35	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 14:35	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 12:15	SM	EET MID
Total/NA	Prep	8015NM Prep			9.98 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 12:15	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 20:30	CH	EET MID

Client Sample ID: H 9
Date Collected: 02/01/24 09:30
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-6
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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 15:01	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 15:01	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 12:37	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 12:37	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 20:50	CH	EET MID

Client Sample ID: E 3 - NSW
Date Collected: 02/01/24 10:50
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 15:27	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 15:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 13:00	SM	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 13:00	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 3 - NSW
Lab Sample ID: 890-6104-7
Date Collected: 02/01/24 10:50
Matrix: Solid
Date Received: 02/02/24 09:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.02 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 20:57	CH	EET MID

Client Sample ID: E 3 - WSW
Lab Sample ID: 890-6104-8
Date Collected: 02/01/24 10:54
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 15:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 15:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 13:22	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 13:22	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 21:04	CH	EET MID

Client Sample ID: E 5 - NSW
Lab Sample ID: 890-6104-9
Date Collected: 02/01/24 11:00
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 16:18	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 16:18	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 13:45	SM	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 13:45	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 21:11	CH	EET MID

Client Sample ID: E 7 - NSW
Lab Sample ID: 890-6104-10
Date Collected: 02/01/24 11:04
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 16:44	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 16:44	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 14:07	SM	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 14:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 21:18	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: E 9 - NSW
Date Collected: 02/01/24 11:10
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-11
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			5.02 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 18:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 18:26	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 14:52	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 14:52	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 21:24	CH	EET MID

Client Sample ID: E 11 - NSW
Date Collected: 02/01/24 11:14
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-12
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			5.03 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 18:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 18:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 15:14	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 15:14	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 21:45	CH	EET MID

Client Sample ID: G 4
Date Collected: 02/01/24 14:10
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 19:16	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 19:16	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 15:36	SM	EET MID
Total/NA	Prep	8015NM Prep			9.95 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 15:36	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		10			72552	02/07/24 21:51	CH	EET MID

Client Sample ID: G 5
Date Collected: 02/01/24 14:14
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-14
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			4.97 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 19:42	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 19:42	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 5

Lab Sample ID: 890-6104-14

Date Collected: 02/01/24 14:14
Matrix: Solid
Date Received: 02/02/24 09:40

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			72974	02/12/24 15:58	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 15:58	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		10			72552	02/07/24 22:12	CH	EET MID

Client Sample ID: G 6

Lab Sample ID: 890-6104-15

Date Collected: 02/01/24 14:18
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 20:07	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 20:07	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 16:20	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 16:20	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 22:19	CH	EET MID

Client Sample ID: G 7

Lab Sample ID: 890-6104-16

Date Collected: 02/01/24 14:20
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 20:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 20:33	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 16:42	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 16:42	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		10			72552	02/07/24 22:25	CH	EET MID

Client Sample ID: G 8

Lab Sample ID: 890-6104-17

Date Collected: 02/01/24 14:24
Matrix: Solid
Date Received: 02/02/24 09:40

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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 20:58	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 20:58	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 17:05	SM	EET MID
Total/NA	Prep	8015NM Prep			9.97 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 17:05	SM	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: G 8
Date Collected: 02/01/24 14:24
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-17
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			4.95 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 22:32	CH	EET MID

Client Sample ID: H 8
Date Collected: 02/01/24 14:30
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-18
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			5.01 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 21:23	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 21:23	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 17:27	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 17:27	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 22:39	CH	EET MID

Client Sample ID: H 7
Date Collected: 02/01/24 14:34
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-19
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	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 21:49	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 21:49	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 17:49	SM	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 17:49	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 22:46	CH	EET MID

Client Sample ID: H 6
Date Collected: 02/01/24 14:38
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-20
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	72957	02/12/24 16:25	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73106	02/14/24 22:14	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 22:14	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/12/24 18:11	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	72469	02/06/24 10:47	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72827	02/12/24 18:11	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	72375	02/05/24 13:15	SMC	EET MID
Soluble	Analysis	300.0		5			72552	02/07/24 22:52	CH	EET MID

Lab Chronicle

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Client Sample ID: H 5

Date Collected: 02/01/24 14:42
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-21

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			4.99 g	5 mL	72955	02/12/24 16:23	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73077	02/14/24 01:24	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 01:24	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/11/24 18:09	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	72518	02/06/24 14:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72814	02/11/24 18:09	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72305	02/04/24 12:41	CH	EET MID
Soluble	Analysis	300.0		5			72467	02/06/24 23:48	CH	EET MID

Client Sample ID: H 4

Date Collected: 02/01/24 14:46
Date Received: 02/02/24 09:40

Lab Sample ID: 890-6104-22

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			4.99 g	5 mL	73089	02/14/24 14:00	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	73139	02/14/24 15:59	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			73154	02/14/24 15:59	SM	EET MID
Total/NA	Analysis	8015 NM		1			72974	02/11/24 18:32	SM	EET MID
Total/NA	Prep	8015NM Prep			10.08 g	10 mL	72518	02/06/24 14:12	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	72814	02/11/24 18:32	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	72305	02/04/24 12:41	CH	EET MID
Soluble	Analysis	300.0		5			72467	02/06/24 23:54	CH	EET MID

Laboratory References:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

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	T104704400-23-26	06-30-24

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
8015B NM	8015NM Prep	Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

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:

EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: Terracon Consulting Eng & Scientists
Project/Site: Mobley to Trove

Job ID: 890-6104-1
SDG: KH247007

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-6104-1	H 10	Solid	02/01/24 09:10	02/02/24 09:40	2'
890-6104-2	G 10	Solid	02/01/24 09:12	02/02/24 09:40	2'
890-6104-3	H 11	Solid	02/01/24 09:16	02/02/24 09:40	2'
890-6104-4	G 11	Solid	02/01/24 09:18	02/02/24 09:40	2'
890-6104-5	G 9	Solid	02/01/24 09:20	02/02/24 09:40	2'
890-6104-6	H 9	Solid	02/01/24 09:30	02/02/24 09:40	2'
890-6104-7	E 3 - NSW	Solid	02/01/24 10:50	02/02/24 09:40	0 - 5.5'
890-6104-8	E 3 - WSW	Solid	02/01/24 10:54	02/02/24 09:40	0 - 5.5'
890-6104-9	E 5 - NSW	Solid	02/01/24 11:00	02/02/24 09:40	0 - 5.5'
890-6104-10	E 7 - NSW	Solid	02/01/24 11:04	02/02/24 09:40	0 - 5.5'
890-6104-11	E 9 - NSW	Solid	02/01/24 11:10	02/02/24 09:40	0 - 5.5'
890-6104-12	E 11 - NSW	Solid	02/01/24 11:14	02/02/24 09:40	0 - 5.5'
890-6104-13	G 4	Solid	02/01/24 14:10	02/02/24 09:40	2'
890-6104-14	G 5	Solid	02/01/24 14:14	02/02/24 09:40	2'
890-6104-15	G 6	Solid	02/01/24 14:18	02/02/24 09:40	2'
890-6104-16	G 7	Solid	02/01/24 14:20	02/02/24 09:40	2'
890-6104-17	G 8	Solid	02/01/24 14:24	02/02/24 09:40	2'
890-6104-18	H 8	Solid	02/01/24 14:30	02/02/24 09:40	2'
890-6104-19	H 7	Solid	02/01/24 14:34	02/02/24 09:40	2'
890-6104-20	H 6	Solid	02/01/24 14:38	02/02/24 09:40	2'
890-6104-21	H 5	Solid	02/01/24 14:42	02/02/24 09:40	2'
890-6104-22	H 4	Solid	02/01/24 14:46	02/02/24 09:40	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: 610C1

www.xenco.com Page 1 of 3

Project Manager:	Travis Casey	Bill to: (if different)	Rob Kirlc
Company Name:	Terracon	Company Name:	Soluris
Address:	4526 W. Pierce	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	☐Routine ☐Rush
Project Number:	KH247007	Due Date:	
Project Location:		TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	Travis Casey		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TNM007
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-10.4
Total Containers:		Corrected Temperature:	-10.2

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: TPH	BTEX	Chlorides	Sample Comments
H10	S	2-1	0910	2'	Comp	1		X	X	X	
G10			0912	2'		1					
H11			0916	2'		1					
G11			0918	2'		1					
G9			0920	2'		1					
H9			0930	2'		1					
E3-NSW			1050	0-5.5		1					
E3-WSW			1054	0-5.5		1					
E5-NSW			1100	0-5.5		1					
E7-NSW			1104	0-5.5		1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1				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:	Travis Casey	Bill to: (if different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	K4247007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	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:	IR#4
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-10.4
Total Containers:		Corrected Temperature:	-10.2

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: TPH	BTEX	Chlorides	Sample Comments
E9-NSW	S	2-1	1110	0-5.5'	comp	1		X	X	X	
E11-NSW			1114	0-5.5'		1					
G4			1410	2'		1					
G5			1414			1					
G6			1418			1					
G7			1420			1					
G8			1424			1					
H8			1430			1					
H7			1434			1					
H6			1438			1					

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag 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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Burns	2/2/24 940	2		
3			4		
5			6		

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Chain of Custody

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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:	Travis Casey	Bill to: (if different)	
Company Name:	Terracon	Company Name:	
Address:	4526 W. Pierce St.	Address:	
City, State ZIP:	Carlsbad NM, 88220	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:	Mobley to Trove	Turn Around	
Project Number:	K1247007	☐ Routine ☐ Rush	
Project Location:		Due Date:	
Sampler's Name:	Travis Casey	TAT starts the day received by the lab, if received by 4:30pm	
P.O. #:			

SAMPLE RECEIPT			
Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:	TAMCC
Cooler Custody Seals:	Yes No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:	-10.4
Total Containers:		Corrected Temperature:	-10.2

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

ANALYSIS REQUEST — Parameters: TPH, BTEX, Chlorides

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH	BTEX	Chlorides
H5	S	2-1	1442	2'	Comp	1	X	X	X
H4	S	2-1	1446	2'	Comp	1	X	X	X

Sample Comments

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

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	Burnt 2/2/24	940	2		
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Login Sample Receipt Checklist

Client: Terracon Consulting Eng & Scientists

Job Number: 890-6104-1
SDG Number: KH247007

Login Number: 6104
List Number: 1
Creator: Bruns, Shannon

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.	N/A	Refer to Job Narrative for details.
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: Terracon Consulting Eng & Scientists

Job Number: 890-6104-1
SDG Number: KH247007

Login Number: 6104
List Number: 2
Creator: Rodriguez, Leticia

List Source: Eurofins Midland
List Creation: 02/05/24 08:29 AM

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

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APPENDIX E – TERRACON STANDARD OF CARE, LIMITATION, AND RELIANCE

Standard of Care

Terracon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time. Terracon makes no warranties, either express or implied, regarding the findings, conclusions, or recommendations. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These services were performed in accordance with the scope of work agreed with you, Solaris Midstream, as reflected in our proposal (PKH247007).

Additional Scope Limitations

The development of this Closure Report is based on information provided by the Client and Terracon's remediation and construction services line. Such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable, or not present during these services. We cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those by information provided by the Client. The data, interpretations, findings, and recommendations are based solely upon reformation executed within the scope of these services.

Reliance

This report has been prepared for the exclusive use of Solaris Water Midstream LLC, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the express written authorization of Solaris Water Midstream LLC and Terracon. Any unauthorized distribution or reuse is at Solaris Midstream sole risk. Notwithstanding the foregoing, reliance by authorized parties will be subject to the terms, conditions, and limitations stated in the proposal and Solaris Water Midstream LLC and Terracon's Master Services Agreement. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to Solaris Water Midstream LLC and all relying parties unless otherwise agreed in writing.

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Terracon
4518 W. Pierce St. Carlsbad NM, 88220

July 24, 2024
Solaris Water Midstream, LLC
3305 Boyd Dr.
Carlsbad NM, 88220

Attn: Ms. Brittany Hall
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico, NM 87505

RE: **OCD Closure Denial Response**
Mobley to Berry Trove Line
Unit O, Section 9, Township 24 South, Range 29 East
32.22518°, -103.99175°
Eddy County, New Mexico
Terracon Project No. KH247007

To Whom It May Concern:

Terracon Consultants, Inc. (Terracon) is pleased to submit this report on behalf of Solaris Water Midstream, LLC to the New Mexico Oil and Gas Conservation Division (NMOCD) in response to the denial of the assessment and remedial actions associated with the release incident number nAPP2402333573.

The NMOCD rejected the submitted application for approval of the release notification and corrective action (C141), for incident ID # nAPP2402333573 for the following reasons:

- **Remediation closure denied. B5-FS and F14-FS which were recollected on 3/12/24 are listed in Table 2 as being recollected at the same depth as the samples collected on 2/14/24 however in your remediation summary you said you overexcavated these areas. Explain.**

  Response: Both sample locations B5-FS (2.5') and B14-FS (2.5') were in an area that was saturated, the area was excavated to a depth of 2.5 feet bgs and sampled on February 14, 2024. Based on the sample results slightly exceeding closure criteria by 54 mg/kg and 182 mg/kg, respectively, these areas were allowed naturally attenuate out for 27 days and then resampled on March 12, 2024.

- **The figures don't show sidewall samples collected around the "Inferred Release" area. If samples were collected from the base and walls together this should be explained in the remediation summary.**

  Response: The larger inferred release area was an area saturated from surface to depths ranging from 0.5 feet to 2.5 feet bgs. The saturated soil was excavated, and samples were collected. Fifty (50) of the fifty-three (53) confirmation samples collected from the larger inferred release area are below the closure criteria. The perimeter length of the larger inferred release area is approximately 730 feet. Terracon returned to the site June 17, 2024, and collected wall samples along the perimeter of

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the area on a 200-foot interval for a total of 4 wall samples, A7-NSW at 2.0 ft, C16-ESW at 2.0 ft, H11W-SW at 2.0 ft, and I2-WSW at 2.0 ft. The soil samples were submitted for Benzene, Toluene, Ethylbenzene and Xylene (BTEX) EPA method 6021B, Chloride EPA Method 300 and Total Petroleum Hydrocarbons (TPH) EPA Method 9051M. The sample results indicate BTEX and TPH were not detected above the laboratory detection limits in any of the samples collected. The sample results indicate Chloride concentrations were below the NMOCD Closure Criteria. A Confirmation Sample Location Map is included in Appendix A, Exhibit 1. A summary of the confirmation sample results is included in Appendix B, Table 1. The laboratory analytical report and chain of custody (COC) is included in Appendix C.

- **Delineation samples were collected at C-8 at a depth of 4' and exceeded Table I Closure Criteria however this area was only excavated to 1/2'. In addition G-1 exceeded Table I Closure Criteria at 2' but this area was only excavated to 1/2'. Explain if these areas were remediated.**

  Response: Delineation samples were collected via hand auger. Sample location C8 (0.5') had a chloride result of 9,020 mg/kg, hand auger samples are not discrete which could account for cross contamination. After excavating the area to a depth of 2-feet bgs, three samples were collected from the C8 area at 2' bgs (B8-FS, C8-FS and D8-FS). The Chloride results were 87.6 mg/kg, 117 mg/kg and 127 mg/kg, respectively, a magnitude of approximately five times below the closure criteria for chlorides of 600 mg/kg. Terracon recommends no further action for the C8 Area.

- **Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC**

  Response: It was not Solaris Midstream's intent to not submit the sample notification to the OCD. Solaris will strive to comply with sample notifications in the future.

- **Figures that are easier to read will make the review process easier. Sampling notice was only submitted for 2/14/24 but samples were collected 1/31, 2/6-2/8, 2/10-2/12, and 3/12. A notice needs submitted for all days that closure samples are to be collected. Resubmit report by 7/23/24.**

  Response: Situations arise in the field while projects are under construction that warrant sample collection at short notice to mitigate project delays and cost overruns. Additionally, situations arise in the field that may delay a planned sampling date by a day or two and resubmitting a sample notification would result in two additional days of delay. Giving a 2-day notice during these instances would result in numerous project delays and cost overruns. Terracon, on behalf of Solaris, has submitted numerous sampling notifications, and to our/their knowledge not one project site has been visited by anyone associated with the NMOCD. It should be noted that the samples were collected in compliance with industry standards and methodologies. Composite and

grab samples were collected appropriately, placed in laboratory supplied sample containers, placed in a cooler, packed in ice, and transported to the laboratory under the appropriate COC protocol.

Conclusion

In accordance with NMAC 19.15.29.12, remediation of the impacted material is complete, and Solaris Water Midstream, LLC respectfully requests closure of incident ID # nAPP2402333573 that occurred at the Mobley to Berry Trove line location.

Should you have any questions regarding this response, please contact the below personnel at (575) 689-4020 or email joseph.guesnier@terracon.com.

Sincerely,

Terracon

Prepared by:

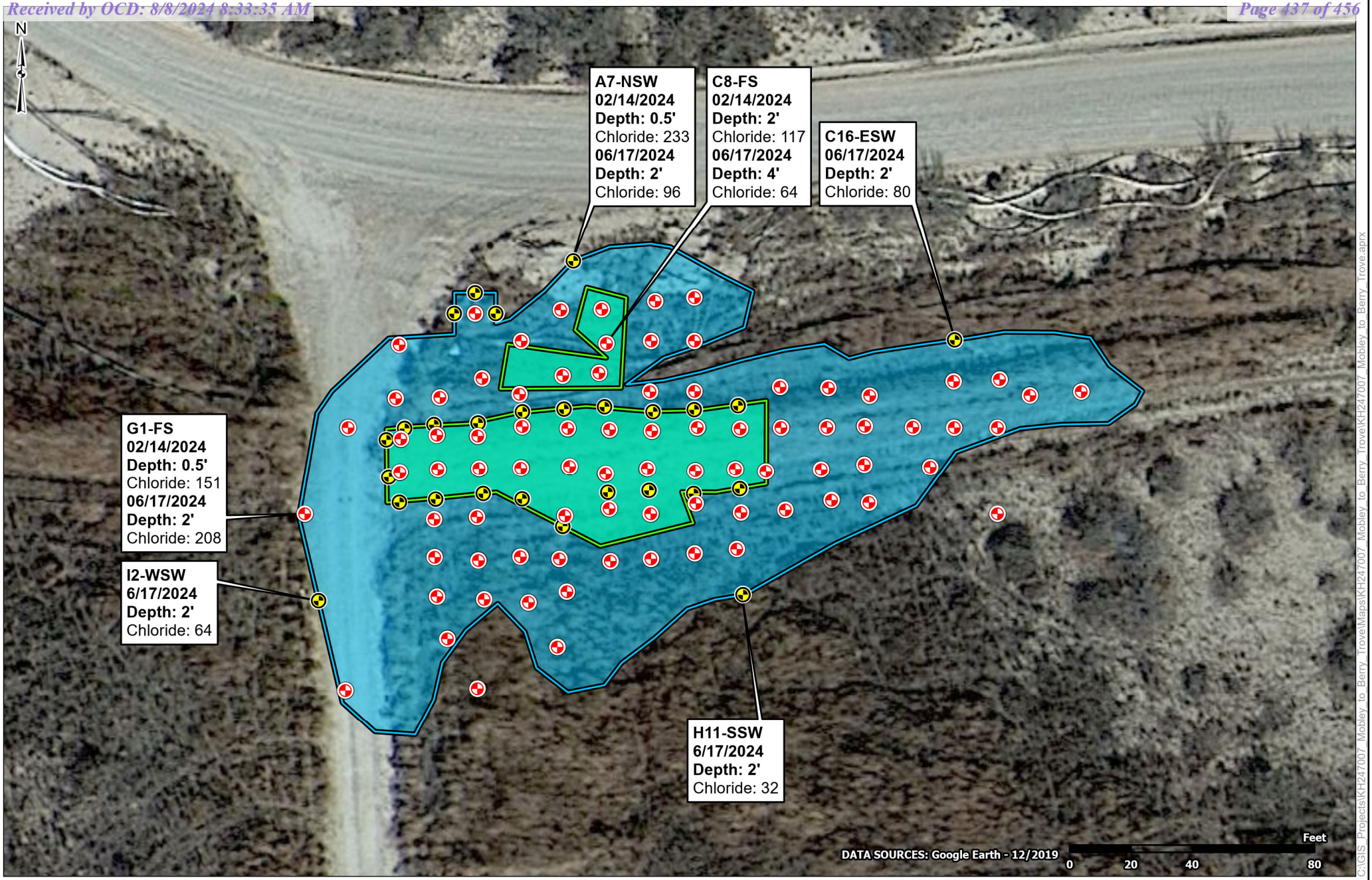
Charles F. Smith
Senior Consultant
Carlsbad, NM

Reviewed by:

Erin Loyd, P.G. (TX)
Senior Principal
Lubbock, TX

Attachments

Exhibit 1 – Confirmation Sample Location Map
Exhibit 2 – Table 1 – Confirmation Sample Results
Exhibit 3 – Analytical Results and COC



Inferred Release

Excavation Area

Confirmation Floor Sample

Confirmation Wall Sample

Project No.:	KH247007
Date:	Jul 18 2024
Drawn By:	JWL
Reviewed By:	TLC

terracon
4526 W Pierce St
Carlsbad, NM
PH. 806-300-0140 terracon.com

Confirmation Sample Map

Mobley to Berry Trove
Solaris Water Midstream, LLC
32.225114, -103.991757
Eddy County, New Mexico

Exhibit

1

C:\GIS_Projects\KH247007_Mobley_to_Berry_Trove\Maps\KH247007_Mobley_to_Berry_Trove\KH247007_Mobley_to_Berry_Trove.aprx

Table 1
Soil Analytical Results Summary - Confirmation Evaluation
Project Code: KH247007
NMOCD Reference No. nAPP2402333573

Sample ID	Sample Date	Sample Depth (ft bgs)	Sample Type	Sample Status	Chloride (mg/Kg)	Benzene (mg/Kg)	Total BTEX[1] (mg/Kg)	Total TPH[2] (mg/Kg)	Gasoline Range Organics (C6-C10) (mg/Kg)	Diesel Range Organics (Over C10-C28) (mg/Kg)	Oil Range Organics (Over C28-C36) (mg/Kg)
					EPA Method 300	EPA Method 8021B	EPA Method 8021B	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M	EPA Method 8015M
Confirmation Floor and Wall Samples											
G1 - FS	6/17/2024	2'	Composite	In-Situ	208	ND	ND	ND	ND	ND	ND
C8-FS	6/17/2024	4'	Composite	In-Situ	64	ND	ND	ND	ND	ND	ND
A7 - NSW	6/17/2024	0-2'	Composite	In-Situ	96	ND	ND	ND	ND	ND	ND
C16 - ESW	6/17/2024	0-2'	Composite	In-Situ	80	ND	ND	ND	ND	ND	ND
H11 - SSW	6/17/2024	0-2'	Composite	In-Situ	32	ND	ND	ND	ND	ND	ND
I2 - WSW	6/17/2024	0-2'	Composite	In-Situ	64	ND	ND	ND	ND	ND	ND
NMOCD Reclamation Standards[3] (Surface to 4 ft bgs)					600	10	50	100	N/A		
NMOCD Remediation Standards[4] (Greater than Depths of 4 ft					600	10	50	100	N/A		

1. BTEX = Benzene, toluene, ethylbenzene, and total xylenes
2. TPH = Total petroleum hydrocarbons
3. New Mexico Administration Code (NMAC) Restoration, Reclamation and Re-vegetation (19.15.29.13), NMAC-D (Reclamation of Areas No Longer in Use) for Soils Extending to 4 ft. bgs
4. New Mexico Oil Conservation Division (NMOCD) Remediation and Delineation Standards (19.15.29.12) NMAC-N, 8/14/2018

ND = Constituent was not detected above the indicated laboratory sample detection limit (SDL).
NA = Not Analyzed
Bold denotes concentrations above applicable laboratory SDLs.
Bold and Highlighted denote concentrations that exceed the NMOCD Reclamation and/or Remediation and Delineation Standards.
In-situ = Sample is representative of material which remains in-place at the site.

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 24, 2024

TRAVIS CASEY

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: MOBLEY TO BERRY TROVE

Enclosed are the results of analyses for samples received by the laboratory on 06/18/24 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: C8 - FS 4' (H243569-01)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	1.73	86.7	2.00	7.22	
Toluene*	<0.050	0.050	06/21/2024	ND	1.82	91.1	2.00	4.35	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.88	93.8	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.63	93.9	6.00	3.15	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *113 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/20/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *86.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *83.2 %* *49.1-148*

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: A 7 - NSW 0-2' (H243569-02)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	1.73	86.7	2.00	7.22	
Toluene*	<0.050	0.050	06/21/2024	ND	1.82	91.1	2.00	4.35	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	1.88	93.8	2.00	3.35	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	5.63	93.9	6.00	3.15	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *118 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**96.0**	16.0	06/20/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *83.3 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.5 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: I 2 - WSW 0-2' (H243569-03)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *105 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**64.0**	16.0	06/20/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *93.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *90.8 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: H 11 - SSW 0-2' (H243569-04)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *108 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: HM

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**32.0**	16.0	06/20/2024	ND	432	108	400	3.77	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *94.5 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *92.2 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: C 16 - ESW 0-2' (H243569-05)

BTEX 8021B mg/kg Analyzed By: JH

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *106 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**80.0**	16.0	06/20/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg Analyzed By: MS

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *88.9 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *85.9 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TERRACON CONSULTANTS
TRAVIS CASEY
5827 50TH ST. SUITE 1
LUBBOCK TX, 79424
Fax To:

Received:	06/18/2024	Sampling Date:	06/17/2024
Reported:	06/24/2024	Sampling Type:	Soil
Project Name:	MOBLEY TO BERRY TROVE	Sampling Condition:	Cool & Intact
Project Number:	KH247007	Sample Received By:	Shalyn Rodriguez
Project Location:	SOLARIS 32.225185,-103.991757		

Sample ID: G 1 - FS 2' (H243569-06)

BTEX 8021B mg/kg **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2024	ND	2.31	115	2.00	7.66	
Toluene*	<0.050	0.050	06/21/2024	ND	2.26	113	2.00	7.39	
Ethylbenzene*	<0.050	0.050	06/21/2024	ND	2.20	110	2.00	7.00	
Total Xylenes*	<0.150	0.150	06/21/2024	ND	7.03	117	6.00	7.10	
Total BTEX	<0.300	0.300	06/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID *104 %* *71.5-134*

Chloride, SM4500Cl-B mg/kg **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	**208**	16.0	06/20/2024	ND	416	104	400	0.00	

TPH 8015M mg/kg **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/20/2024	ND	202	101	200	4.76	
DRO >C10-C28*	<10.0	10.0	06/20/2024	ND	212	106	200	5.10	
EXT DRO >C28-C36	<10.0	10.0	06/20/2024	ND					

Surrogate: 1-Chlorooctane *85.0 %* *48.2-134*

Surrogate: 1-Chlorooctadecane *81.0 %* *49.1-148*

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Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

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Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon	BILL TO:
Project Manager: Travis Casey	P.O. #:
Address: 4526 W. Perice Street	Company: Solaris
City: Carlsbad State: NM Zip: 88220	Attn: Rob Kirk
Phone #: 5756895949 Fax #:	Address:
Project #: KH247007 Project Owner: Solaris	City:
Project Name: Mobley to Berry Trove	State:
Project Location: 32.225185, -103.991757	Phone #:
Sampler Name: Travis Casey	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth Start	Depth End	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYS REQUEST: Chloride (EPA Method4500)	TPH Extended 8015	BTEX (EPA Method 8021B)
H241569 1	C8 - FS		4	G	1			X					X		6/17/2024	9:58	X	X	X

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Relinquished By:	Date: 6-18-24 Time: 8:25	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
Relinquished By:	Date: 6-18-24 Time: 1240	Received By:	All Results are emailed. Please provide Email address:
Deliered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials) SR

REMARKS: joesph.guesnier@terracon.com;travis.casey@terracon.com;chuck.smith@terracon.com; beckysue.miller@terracon.com gus.sanchez@terracon.com

Standard!

Turnaround Time: Standard ☑ Rush ☐ #140 Thermometer ID: #113 Correction Factor: -0.5°C

Bacteria (only) Sample Condition: Cool ☐ Yes ☐ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 8/8/2024 8:33:35 AM

Released to Imaging: 8/15/2024 3:54:37 PM

Page 448 of 456

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CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Terracon	BILL TO:
Project Manager: Travis Casey	P.O. #:
Address: 4526 W. Perice Street	Company: Solaris
City: Carlsbad State: NM Zip: 88220	Attn: Rob Kirk
Phone #: 5756895949 Fax #:	Address:
Project #: KH247007 Project Owner: Solaris	City:
Project Name: Mobley to Berry Trove	State:
Project Location: 32.225185, -103.991757	Phone #:
Sampler Name: Travis Casey	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	Depth Start	Depth End	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX: GROUNDWAT	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING DATE	SAMPLING TIME	ANALYS REQUEST: Chloride (EPA Method4500)	TPH Extended 8015	BTEX (EPA Method 8021B)
1124359																			
2	A7 - NSW	0	2	C	1			X					X		6/17/2024	8:56	X	X	X
3	I2 - WSW	0	2	C	1			X					X		6/17/2024	9:06	X	X	X
4	H11 - SSW	0	2	C	1			X					X		6/17/2024	9:15	X	X	X
5	C16 - ESW	0	2	C	1			X					X		6/17/2024	9:25	X	X	X
6	G1 - FS		2	G	1			X					X		6/17/2024	9:35	X	X	X

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:	Date: 6-18-24	Received By:	Verbal Result: ☐ Yes ☐ No Add'l Phone #:
	Time: 8:15		All Results are emailed. Please provide Email address:
Relinquished By:	Date: 6-18-24	Received By:	REMARKS: joesph.guesnier@terracon.com;travis.casey@terracon.com;chuck.smith@terracon.com; beckysue.miller@terracon.com gus.sanchez@terracon.com
	Time: 1240		STANDARD!
Deliered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 4.1 Corrected Temp. °C	Sample Condition: Cool ☐ Yes ☐ No; Intact ☐ Yes ☐ No	CHECKED BY: (Initials)
			Turnaround Time: Standard ☐ Rush ☑ #140
			Thermometer ID #113 Correction Factor -0.5°C
			Bacteria (only) Sample Condition: Cool ☐ Yes ☑ No; Observed Temp. °C; Corrected Temp. °C

FORM-006 R 3.2 10/07/21

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Received by OCD: 8/8/2024 8:33:35 AM

Released to Imaging: 8/15/2024 3:54:37 PM

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QUESTIONS

Action 371719

QUESTIONS

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2402333573**
Incident Name	**NAPP2402333573 MOBLEY TO BARRY TROVE LINE @ 0**
Incident Type	**Produced Water Release**
Incident Status	**Remediation Closure Report Received**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MOBLEY TO BARRY TROVE LINE
Date Release Discovered	01/22/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	*Not answered.*
Produced Water Released (bbls) Details	Cause: Repair and Maintenance | Pipeline (Any) | Produced Water | Released: 95 BBL | Recovered: 70 BBL | Lost: 25 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	*Not answered.*
Natural Gas Vented (Mcf) Details	*Not answered.*
Natural Gas Flared (Mcf) Details	*Not answered.*
Other Released Details	*Not answered.*
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	*Not answered.*

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QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	**No, according to supplied volumes this does not appear to be a "gas only" report.**
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	**Yes**
Reasons why this would be considered a submission for a notification of a major release	**From paragraph A. "Major release" determine using:** **(1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.**
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response	
The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.	
The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	*Not answered.*
Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 08/08/2024

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QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Zero feet, overlying, or within area
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9530
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
On what estimated date will the remediation commence	01/25/2024
On what date will (or did) the final sampling or liner inspection occur	03/12/2024
On what date will (or was) the remediation complete(d)	03/12/2024
What is the estimated surface area (in square feet) that will be reclaimed	15860
What is the estimated volume (in cubic yards) that will be reclaimed	1000
What is the estimated surface area (in square feet) that will be remediated	15860
What is the estimated volume (in cubic yards) that will be remediated	1300
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for **off-site** disposal	*Not answered.*
OR is the **off-site** disposal site, to be used, out-of-state	*Not answered.*
OR is the **off-site** disposal site, to be used, an NMED facility	*Not answered.*
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 08/08/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	OGRID: 371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS (continued)

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	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**352702**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**06/12/2024**
What was the (estimated) number of samples that were to be gathered	**6**
What was the sampling surface area in square feet	**1200**

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	**Yes**
Was this release entirely contained within a lined containment area	**No**
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	15860
What was the total volume (cubic yards) remediated	1300
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	15860
What was the total volume (in cubic yards) reclaimed	1000
Summarize any additional remediation activities not included by answers (above)	none

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Rob Kirk Title: VP- Environmental Compliance Email: rob.kirk@ariswater.com Date: 08/08/2024

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QUESTIONS (continued)

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	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 371719

CONDITIONS

Operator:	OGRID:
SOLARIS WATER MIDSTREAM, LLC 9651 Katy Fwy Houston, TX 77024	371643
	Action Number: 371719
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation closure approved. Sampling notice submitted for 6/12/24 however confirmation samples were collected on 6/17/24.	8/15/2024
scwells	Operator failed to provide proper Sampling Notification pursuant to 19.15.29.12.D.(1).(a) NMAC. Failure to provide proper sampling notice is a compliance issue and OCD may pursue compliance actions pursuant to 19.15.5 NMAC. Operator shall ensure future compliance with 19.15.29.12.D.(1).(a) NMAC	8/15/2024