

SITE INFORMATION

Report Type: Closure Report (nAPP2333071200)

General Site Information:

Site:	Osprey Lay Flat Release				
Company:	EOG Resources				
Section, Township and Range	Unit G	Sec. 3	T 25S	R 34E	
County:	Lea County				
GPS:	32.159271			-103.454307	
Surface Owner:					

Release Data:

Date Released:	6/30/2020
Type Release:	Reuse Water
Source of Contamination:	Leak in Reuse Water Layflat
Fluid Released:	1000 bbls of Reuse Water
Fluids Recovered:	20 bbls of Reuse water

Official Communication:

Name:	James Kennedy		Clair Gonzales
Company:	EOG Resources		Tetra Tech
Address:	5509 Champions Drive		901 West Wall Street
			Suite 100
City:	Midland Texas, 79706		Midland, Texas
Phone number:	(432) 258-4346		(432) 685-4559
Fax:			
Email:	James_Kennedy@eogresources.com		Clair.Gonzales@TetraTech.com

Site Characterization

Depth to Groundwater:	224.42' Below Surface
Karst Potential:	Low

Recommended Remedial Action Levels (RRALs)

Benzene	Total BTEX	TPH (GRO+DRO)	TPH (GRO+DRO+MRO)	Chlorides
10 mg/kg	50 mg/kg	1,000 mg/kg	2,500 mg/kg	10,000 mg/kg



October 17, 2024

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

**RE: Remediation Work Plan
EOG Resources
Osprey Lay Flat
Lea County, New Mexico
nAPP2333071200**

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contracted by EOG Resources (EOG) to assess a release that occurred at the Osprey Lay Flat, Unit G, Section 03, Township 25 South, Range 34 East, Lea County, New Mexico (Site). The spill site coordinates are 32.159271°, -103.454307°. The site location is shown on **Figures 1 and 2**.

Background

According to the State of New Mexico C-141 Initial Report, the release at the Site was caused by a pinhole leak that developed in the line while produced water was being pumped from a pit to a fracking facility, causing the release of 1,000 barrels (bbls) of produced water. The release extended to the pasture along Battle Axe Road, impacting an area of 400 feet (ft) in length with a width ranging from 105 ft to 125 ft. Additionally, 20 bbls of produced water were recovered from the release. On June 30, 2020, the release was discovered, and on July 07, 2020, the release was reported to the New Mexico Oil Conservation Division (NMOCD). The C-141 is shown in **Appendix A**.

Additionally, a work plan dated March 7, 2024, was submitted and conditionally approved by the NMOCD. The excavation was conducted as outlined in the work plan with the exception of the use of a liner. The impact was fully removed to 19.15.29.11(A)5(c) NMAC Table 1 standards for groundwater depth at 51 ft -100 ft below ground surface (bgs), and confirmation samples were collected on a 400 square foot basis as approved by the NMOCD. The state correspondence regarding the conditional approval is included in **Appendix A**.

Site Characterization

Significant Water Features

According to the NFHL (National Flood Hazard Layer) Flood Data Application and the USGS (United States Geological Survey) National Water Information System Mapper, there were no watercourses, lakebeds, sinkholes, playa lakes, springs, wetlands, subsurface mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the site is located in a low karst area. The NFHL Map, USGS Mapper, and Karst map are shown in **Appendix B**.



Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within an incorporated municipal boundary, defined municipal fresh water well field, or a school district. Additionally, there were no occupied permanent residences, schools, hospitals, institution, or churches located within the specified distances of the lateral extents of the release.

Groundwater Review

Groundwater research was completed for the site through the USGS (United States Geological Survey) National Water Information System and New Mexico Office of the State Engineer (NMOSE) Water Rights Reporting System. Groundwater research conducted through these two resources, show the two closest water wells within a 2.0-mile radius of the Site. The well reported on the USGS National Water Information System reports a water level measured at 224.42' ft bgs and is approximately 1.59 miles of the site. Additionally, a second USGS well reported at 176.06' ft bgs and is approximately 1.92 miles of the site. The groundwater information is shown in **Appendix B**.

Distance from Site	Date of Data	Resource of Information	Depth of Well	Depth to Water
1.59 Miles	03/12/1986	USGS	300.0'	224.42'
1.52 Miles	08/05/2021	NMOSE	420.0'	222.0'

Depth to Water Determination

On August 20, 2020, Scarborough Drilling, Inc was onsite to install a groundwater determination bore to 55' below ground surface, and within a ½ mile radius of the location. The borehole was left open for 72 hours and checked for the presence of groundwater. No water was detected at 55' below surface. The coordinates are 32.161134°, -103.458764°. The drillers log is shown in **Appendix B**.

Regulatory

A risk-based evaluation was performed for the site following the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the site characterization, for soil beyond the top 4.0 ft, the proposed RRAL for TPH is 1,000 mg/kg (GRO + DRO) and 2,500 mg/kg (GRO + DRO + ORO). Additionally, based on the site characterization, for soil beyond the top 4.0 ft, the proposed RRAL for chlorides is 10,000 mg/kg.



Site Assessment Activities

Initial Site Assessment Activities

Tetra Tech conducted site assessment activities on September 09, 2020. A total of ten (10) auger holes (AH-1 through AH-10) were installed to depths ranging from surface to 3.5 ft bgs, to attempt to assess and vertically delineate the impacted area. Deeper samples were not collected due to dense geological formation. Additionally, a total of ten (10) horizontals (H-1 through H-10) were installed to total depths of 0.5 ft bgs, to horizontally delineate the impact. The impact and sample locations are shown on **Figure 3**.

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and chloride by EPA Method 300.0 or Method 4500. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, auger holes (AH-1 through AH-5, AH-8 through AH-10) indicated chloride concentrations above RRALs with concentrations ranging from 5,540 mg/kg to 11,300 mg/kg at depths ranging from 0.5 ft bgs to 1.5 ft bgs. None of the auger holes (AH-1 through AH-10) indicated TPH or BTEX concentrations above RRALs. Additionally, horizontal borings (H-1 through H-10) indicated chloride concentrations below RRALs. Additionally, total TPH and BTEX indicated concentrations below RRALs. Vertical delineation for auger holes (AH-6 and AH-7) indicated TPH, BTEX and Chloride concentrations below RRALs.

Additional Site Assessment Activities

On September 21, 2020, a total of eight (8) delineation trenches (T-1 through T-8) were installed to total depths ranging from 5.0 ft bgs to 10.0 ft bgs in areas of auger holes (AH-1 through AH-5, and AH-8 through AH-10), where auger refusal was encountered during the initial delineation assessment activities, to attempt to fully delineate the release area. The impact and sample locations are shown on **Figure 3**.

The samples were submitted to Eurofins Laboratories in Midland, Texas to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and Chloride by EPA Method 300.0 or Method 4500. The analytical results are summarized in **Table 1** and the analytical laboratory reports are included in **Appendix C**.

Referring to Table 1, delineation trenches (T-1 through T-8) indicated Chloride concentrations above RRALs, with concentrations ranging from 1,200 to 15,900, at depths ranging from 1.0 ft bgs to 9.0 ft bgs.

Remediation Activities

Tetra Tech conducted remediation activities from May 10, 2024, through May 30, 2024. The areas of impact were remediated to depths ranging from 3.0 ft bgs to 9.5 ft bgs. The remediation areas and depths are shown on **Figure 4**.



Following remediation activities, Tetra Tech conducted confirmation sampling by collecting 5-point composite bottom hole samples and 5-point composite sidewall samples every 400 square feet within the remediation, as approved by the NMOCD in the work plan dated March 7, 2024. All confirmation samples are collected as a composite 5-point die pattern to ensure a representative sample of sidewalls and floor of the excavation are collected. Additionally, a C-141N was filed for each sampling event as well, and is attached along with the C-141 in **Appendix A**. A total of sixty (60) bottom holes (BH-1 through BH-60) were collected and a total of forty (40) sidewalls (SW-1 through SW-40) were collected to confirm full removal of the impacted soil. The confirmation soil samples were submitted to the Cardinal Laboratory in Hobbs, New Mexico to be analyzed for TPH by method 8015 modified, BTEX by method 8021B, and chloride by EPA Method 4500. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix C**.

Regarding all final samples collected from the remediation, analytical results indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs. Additionally, regarding all final samples collected from remediation depths ranging from surface to 4.0 ft bgs, analytical results indicated TPH and chloride concentrations were below reclamation standards.

Conclusions

Based on the C-141's (nAPP2333071200), information provided by EOG, and the NMOCD conditionally approved work plan, Tetra Tech performed site characterization and groundwater research to determine groundwater depth, proximity from significant water features, and proximity from specified populated entities to determine RRALs and assess the impacted area. Based on the *OCD Guidelines for Remediation of Leaks, Spills, and Releases*, updated August 18, 2018, according to the groundwater data found during research activities, the RRALs of 10,000 mg/kg for chlorides, 1,000 mg/kg for TPH (GRO+DRO), and 2,500 mg/kg for TPH (GRO + DRO + ORO) were followed for the soil beyond the top 4.0 ft. Based on Tetra Tech assessment activities, trenches (T-1, through T-8) indicated chloride concentrations that exceeded reclamation and RRALs standards, and required remediation.

Following remediation of the areas of impact, Tetra Tech conducted confirmation soil sampling of the area by collecting 5-point composite confirmation bottom hole and sidewall samples to ensure the impacted soil was fully removed. Approximately 5,771 cubic yards total of impacted soil was removed and properly disposed of. The area was backfilled with clean to surface grade material. The analytical results indicated all confirmation samples reported below the reclamation standards in remediation depths ranging from surface to 4.0 ft bgs, and reported below the RRALs for remediation depths beyond 4.0 ft bgs, for all constituents. Based on this information, it is recommended that the Site requires no further action. The C-141 is included in **Appendix A**.

The disturbed area was approximately 24,681 square feet and following backfill of the disturbed area, the site was seeded for sites with loamy fine sand to sandy clay loam soil composition. Revegetation of the site will be monitored, following the rain season (March through June) and if vegetation has not progressed, the site will be reseeded as needed to meet the requirement of 50 percent life-form coverage and at least 70 percent plant cover based on pre-disturbed levels, as stated by the NMOCD. Following the proper vegetation of the site, a vegetation report will be submitted to prove restoration of the site and will request full closure. The soil survey data is shown **Appendix D**.



If you require any additional information or have any questions or comments, please contact us at (432) 682-4559.

Respectfully submitted,
TETRA TECH

A handwritten signature in black ink, appearing to read 'Miguel Flores'.

Miguel Flores,
Geologist

A handwritten signature in black ink, appearing to read 'Brittany Long'.

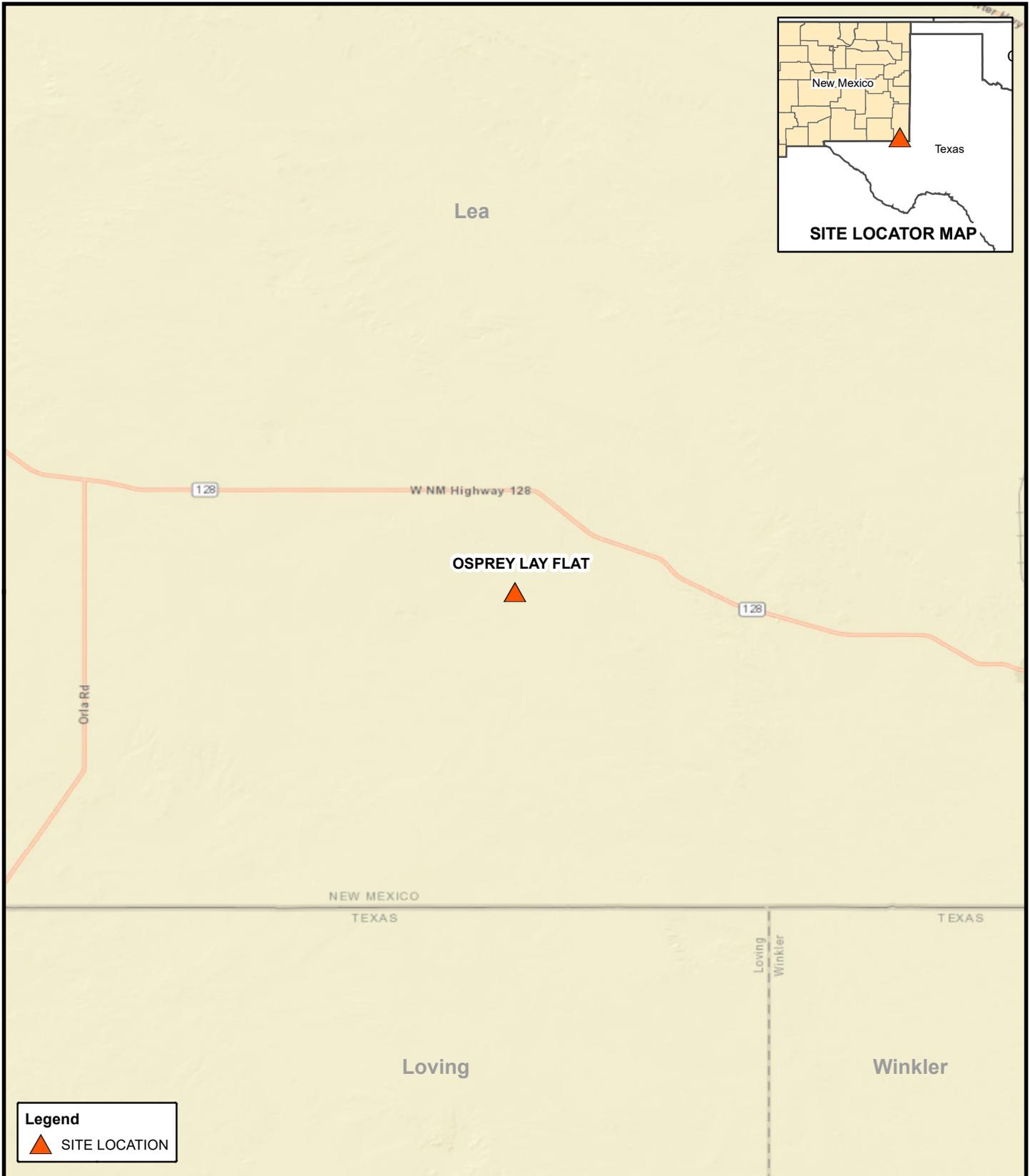
Brittany Long,
Project Manager

A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.
Senior Project Manager



Figures



Legend
 SITE LOCATION

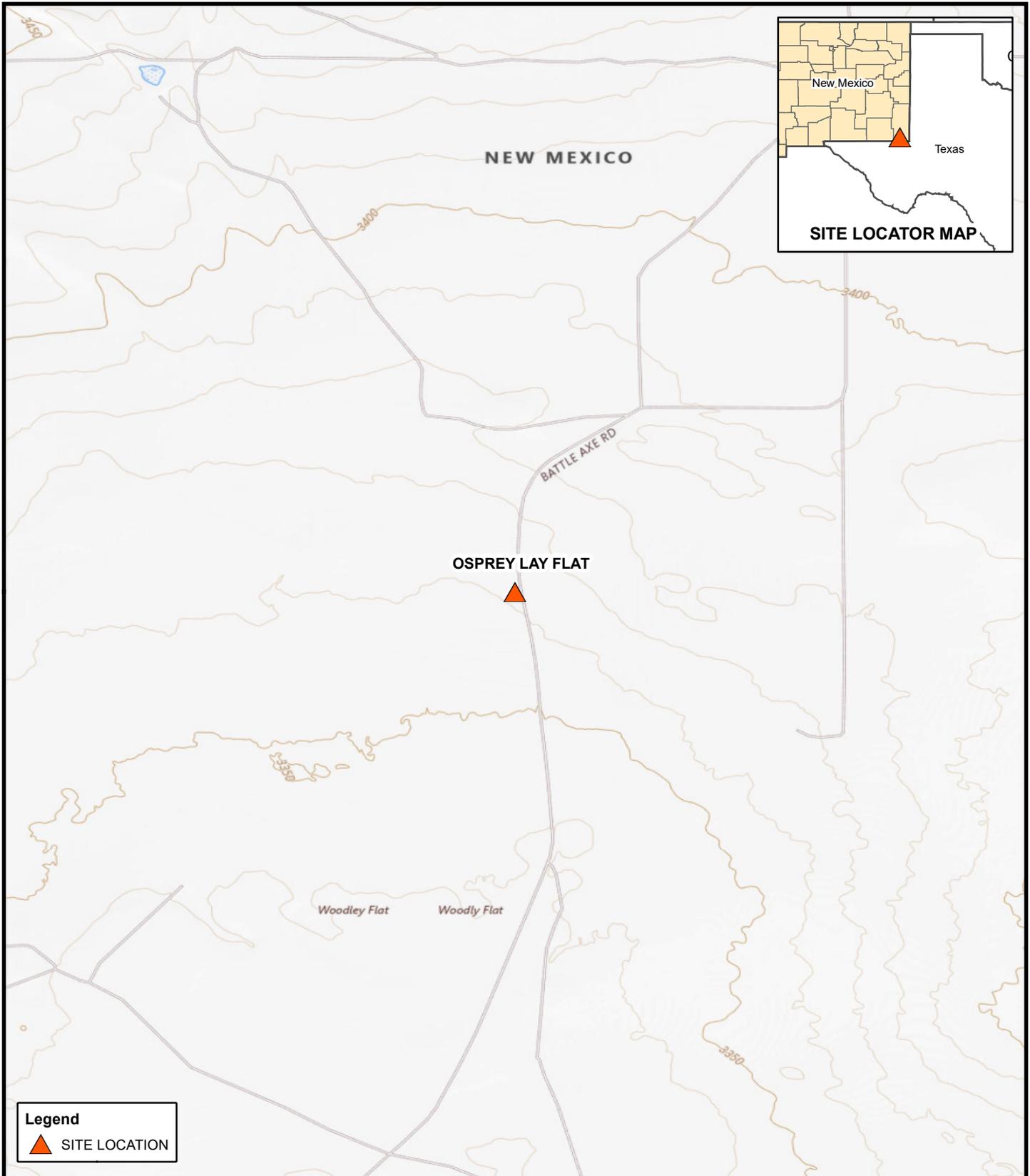
TETRA TECH
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 Phone: (432) 682-4559

0 10,000 20,000
 Approximate Scale in Feet

OVERVIEW MAP
OSPREY LAY FLAT
 LEA COUNTY, NEW MEXICO
 (32.159271°, -103.454307°)

PROJECT NO.:	212C-MD-03477
DATE:	JUNE 6, 2024
DESIGNED BY:	EMF
Figure No.	
1	

Service Layer Credits: World Street Map, ESRI.

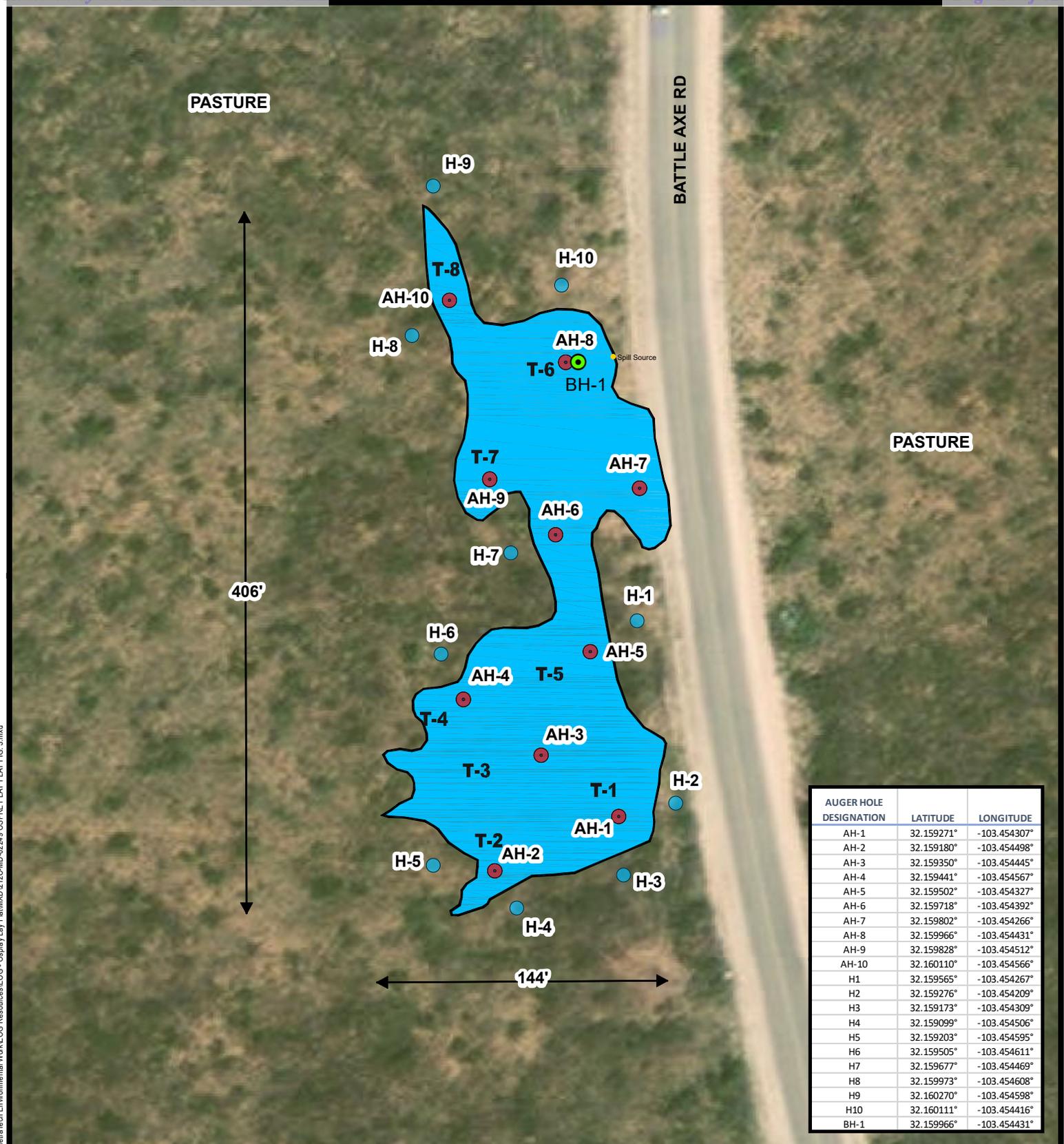


Legend
 SITE LOCATION

Document Path: C:\Users\E.MORENO\OneDrive - Tetra Tech, Inc\Documents\Projects\EOG03477 - Osprey Lay Flat\GIS\MXD\03477 - Figure 2 - Osprey.mxd

<p>TETRA TECH www.tetratech.com</p>			<p>TOPOGRAPHIC MAP OSPREY LAY FLAT</p>	<p>PROJECT NO.: 212C-MD-03477</p>
<p>901 West Wall Street, Suite 100 Midland, Texas 79701 Phone: (432) 682-4559</p>		<p>0 875 1,750 Approximate Scale in Feet</p>		<p>LEA COUNTY, NEW MEXICO (32.159271°, -103.454307°)</p>
				<p>DESIGNED BY: EMF</p>
				<p>Figure No. 2</p>

Service Layer Credits: USGS - Topographic, 2022.



AUGER HOLE DESIGNATION	LATITUDE	LONGITUDE
AH-1	32.159271°	-103.454307°
AH-2	32.159180°	-103.454498°
AH-3	32.159350°	-103.454445°
AH-4	32.159441°	-103.454567°
AH-5	32.159502°	-103.454327°
AH-6	32.159718°	-103.454392°
AH-7	32.159802°	-103.454266°
AH-8	32.159966°	-103.454431°
AH-9	32.159828°	-103.454512°
AH-10	32.160110°	-103.454566°
H1	32.159565°	-103.454267°
H2	32.159276°	-103.454209°
H3	32.159173°	-103.454309°
H4	32.159099°	-103.454506°
H5	32.159203°	-103.454595°
H6	32.159505°	-103.454611°
H7	32.159677°	-103.454469°
H8	32.159973°	-103.454608°
H9	32.160270°	-103.454598°
H10	32.160111°	-103.454416°
BH-1	32.159966°	-103.454431°

Date: 10/21/2020 Document Path: G:\LIDS_CLIENT\PROJECT\Site\Tech Environmental Work\EOG Resources\EOG - Osprey Lay Flat\MD\212C-MD-02249 OSPREY LAY FLAT FIG. 3.mxd

- AUGERHOLE SAMPLE LOCATION
- HORIZONTAL SAMPLE LOCATION
- BOREHOLE
- SPILL



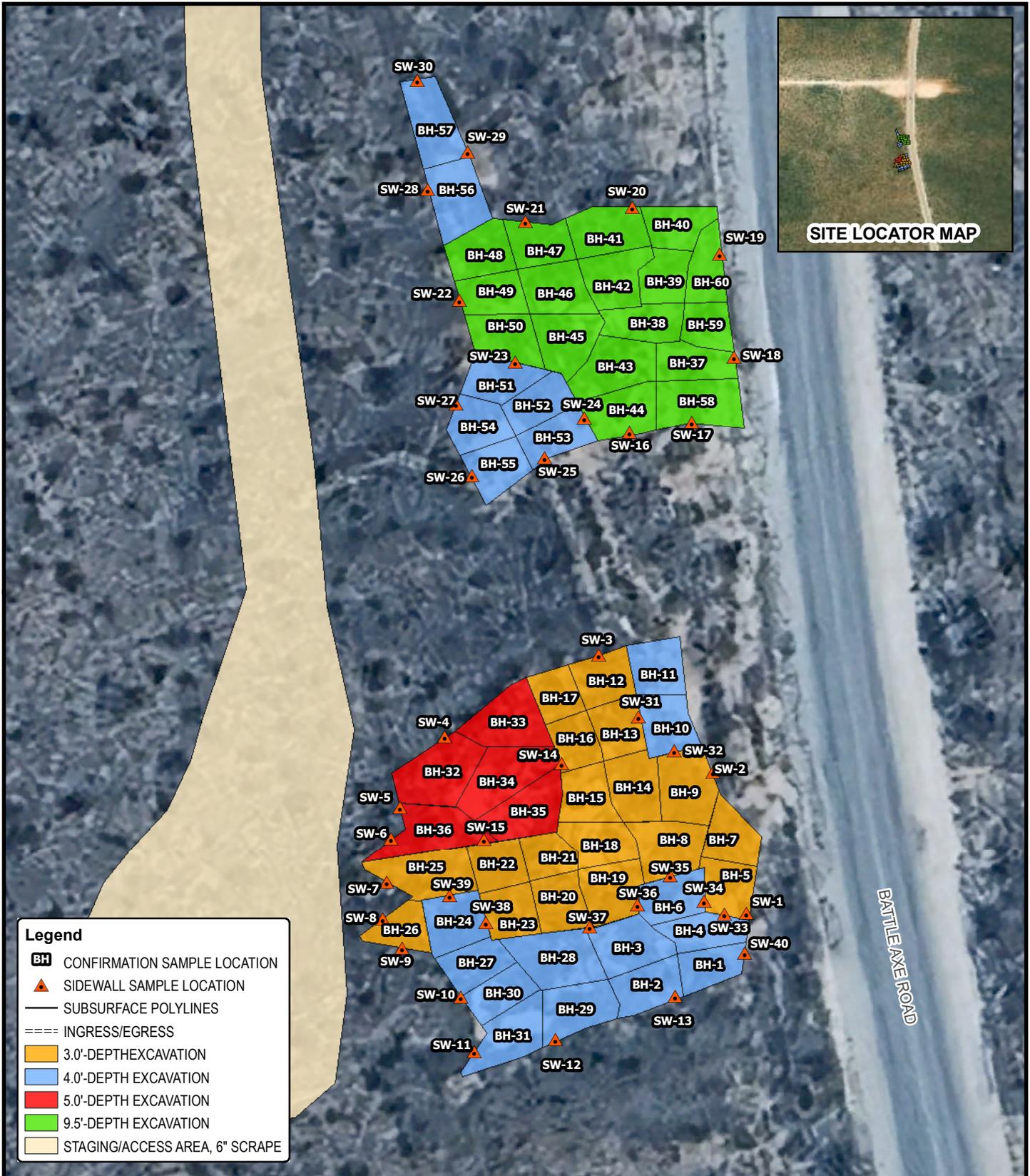
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community (10/22/2019)

SPILL ASSESSMENT MAP
OSPREY LAY FLAT
 Property Located at coordinates 32.159271°,-103.454307°
 LEA COUNTY, NEW MEXICO



Project #: 212C-MD-02249
 Date: 10/21/2020
 Drawn By: DN

Figure No.
3

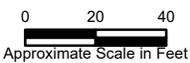


Legend

- BH CONFIRMATION SAMPLE LOCATION
- ▲ SIDEWALL SAMPLE LOCATION
- SUBSURFACE POLYLINES
- ==== INGRESS/EGRESS
- 3.0'-DEPTH EXCAVATION
- 4.0'-DEPTH EXCAVATION
- 5.0'-DEPTH EXCAVATION
- 9.5'-DEPTH EXCAVATION
- STAGING/ACCESS AREA, 6" SCRAPER

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eog resources



EXCAVATION DEPTH AND AREA MAP

OSPREY LAY FLAT

LEA COUNTY, NEW MEXICO
(32.159271°, -103.454307°)

PROJECT NO.:	212C-MD-03477
DATE:	JUNE 6, 2024
DESIGNED BY:	EMF

Figure No.

4

Service Layer Credits: Google Maps, 2024.



Tables

Table 1
EOG
Osprey Lay Flat Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)	
			In-Situ	Removed	GRO	DRO	ORO	Total							
RRALs															
						100 mg/kg				10 mg/kg	50 mg/kg				600 mg/kg
RRALs (RRALs for soil beyond top 4.0' of soil)					1,000 mg/kg				2,500 mg/kg	10 mg/kg	50 mg/kg				10,000 mg/kg
AH-1	7/9/2020	0-1.0	-	X	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	7,630	
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	9,340	
T-1	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	2,700	
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	461	
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	7,900	
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	3,120	
	"	4.0	X	-	-	-	-	-	-	-	-	-	-	93.7	
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	76.6	
AH-2	7/9/2020	0-1.0	-	X	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	5,950	
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	7,840	
T-2	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	1,290	
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	76.7	
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	1,650	
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	8780	
	"	4.0	-	X	-	-	-	-	-	-	-	-	-	10,200	
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	8,140	
	"	6.0	X	-	-	-	-	-	-	-	-	-	-	337	
"	7.0	X	-	-	-	-	-	-	-	-	-	-	188		
AH-3	7/9/2020	0-1.0	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	5,720	
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	7,350	
T-3	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	3,360	
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	5,020	
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	7,490	
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	6,910	
	"	4.0	X	-	-	-	-	-	-	-	-	-	-	183	
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	584	
AH-4	7/9/2020	0-1.0	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	6,410	
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	7,580	
	"	2.0-2.5	-	X	-	-	-	-	-	-	-	-	-	9,640	
T-4	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	4,400	
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	5,910	
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	15,900	
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	15,900	
	"	4.0	-	X	-	-	-	-	-	-	-	-	-	1,200	
	"	5.0	-	X	-	-	-	-	-	-	-	-	-	12,600	
	"	6.0	X	-	-	-	-	-	-	-	-	-	-	103	
	"	7.0	X	-	-	-	-	-	-	-	-	-	-	121	

**Table 1
EOG
Osprey Lay Flat Release
Lea County, New Mexico**

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
RRALs								100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg	
RRALs (RRALs for soil beyond top 4.0' of soil)					1,000 mg/kg			2,500 mg/kg	10 mg/kg			50 mg/kg	10,000 mg/kg	
AH-5	7/9/2020	0-1.0	-	X	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	0.0134	0.0134	11,300
T-5	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	1,470
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	9,790
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	6,400
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	7,530
	"	4.0	X	-	-	-	-	-	-	-	-	-	-	378
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	233
AH-6	7/9/2020	0-1.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	15.5
AH-7	7/9/2020	0-1.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	12.6
	"	1.0-1.5	X	-	-	-	-	-	-	-	-	-	-	139
AH-8	7/9/2020	0-1.0	-	X	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	5,540
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	5,990
	"	2.0-2.5	-	X	-	-	-	-	-	-	-	-	-	6,400
	"	3.0-3.5	-	X	-	-	-	-	-	-	-	-	-	9,590
T-6	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	195
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	103
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	400
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	1,930
	"	4.0	-	X	-	-	-	-	-	-	-	-	-	5,520
	"	5.0	-	X	-	-	-	-	-	-	-	-	-	12,300
	"	6.0	-	X	-	-	-	-	-	-	-	-	-	9,780
	"	7.0	-	X	-	-	-	-	-	-	-	-	-	10,400
	"	8.0	-	X	-	-	-	-	-	-	-	-	-	9,480
	"	9.0	-	X	-	-	-	-	-	-	-	-	-	10,200
	"	10.0	X	-	-	-	-	-	-	-	-	-	-	4,970
Borehole -1	8/11/2020	0-1	-	X	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	56.7
	"	2-3	-	X	-	-	-	-	-	-	-	-	-	301
	"	4-5	-	X	-	-	-	-	-	-	-	-	-	5,430
	"	6-7	X	-	-	-	-	-	-	-	-	-	-	3,140
	"	9-10	X	-	-	-	-	-	-	-	-	-	-	2,700
	"	14-15	X	-	-	-	-	-	-	-	-	-	-	133
	"	19-20	X	-	-	-	-	-	-	-	-	-	-	109

Table 1
EOG
Osprey Lay Flat Release
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
			In-Situ	Removed	GRO	DRO	ORO	Total						
RRALs								100 mg/kg	10 mg/kg			50 mg/kg	600 mg/kg	
RRALs (RRALs for soil beyond top 4.0' of soil)					1,000 mg/kg			2,500 mg/kg	10 mg/kg			50 mg/kg	10,000 mg/kg	
AH-9	7/9/2020	0-1.0	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	10,100
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	6,570
T-7	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	3,160
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	6,350
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	4,790
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	5,870
	"	4.0	-	X	-	-	-	-	-	-	-	-	-	7,470
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	1,490
	"	6.0	X	-	-	-	-	-	-	-	-	-	-	669
AH-10	7/9/2020	0-1.0	-	X	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	6,760
	"	1.0-1.5	-	X	-	-	-	-	-	-	-	-	-	7,670
T-8	7/21/2020	0-1.0	-	X	-	-	-	-	-	-	-	-	-	12,200
	"	1.0	-	X	-	-	-	-	-	-	-	-	-	6,570
	"	2.0	-	X	-	-	-	-	-	-	-	-	-	7,650
	"	3.0	-	X	-	-	-	-	-	-	-	-	-	8,450
	"	4.0	-	X	-	-	-	-	-	-	-	-	-	8,080
	"	5.0	X	-	-	-	-	-	-	-	-	-	-	1,370
	"	6.0	X	-	-	-	-	-	-	-	-	-	-	129
H-1	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	12.7
	H-2	7/10/2020	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	14.5
H-3	7/10/2020	0-0.5	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	8.91
H-4	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	7.75
H-5	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	8.02
H-6	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00201	<0.00201	8.40
H-7	7/10/2020	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	17.8
H-8	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	13.9
H-9	7/10/2020	0-0.5	X	-	<50.0	<50.0	<50.0	<50.0	<0.00198	<0.00198	<0.00198	<0.00198	<0.00198	8.63
H-10	7/10/2020	0-0.5	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00199	<0.00199	9.69

(-) Not Analyzed

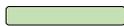
 Excavated

Table 2
EOG Resources
Osprey Lay Flat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)				Chloride (mg/kg)		
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)		Total (mg/Kg)	
RRALs					100 mg/kg				10 mg/kg				50 mg/kg	600 mg/kg	
RRALs (RRALs for soil beyond top 4.0' of soil)					1,000 mg/kg				2,500 mg/kg				10 mg/kg	50 mg/kg	10,000 mg/kg
BH-1	5/10/2024	4.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,240	
BH-2	5/10/2024	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	2,360	
BH-3	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	4,030	
BH-4	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	1,340	
BH-5	5/10/2024	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	540	
BH-6	5/10/2024	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,460	
BH-7	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	562	
BH-8	5/10/2024	3.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	542	
BH-9	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	506	
BH-10	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	4,480	
BH-11	5/10/2024	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	960	
BH-12	5/10/2024	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	405	
BH-13	5/10/2024	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	511	
BH-14	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	489	
BH-15	5/10/2024	3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	458	
BH-16	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	138	
BH-17	5/10/2024	3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	152	
BH-18	5/10/2024	3.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	145	
BH-19	5/10/2024	3.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	186	
BH-20	5/10/2024	3.0	X	-	<49.5	<49.5	<49.5	<49.5	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	510	
BH-21	5/10/2024	3.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	503	
BH-22	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	583	

Table 2
EOG Resources
Osprey Lay Flat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)				Chloride (mg/kg)	
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)		Total (mg/Kg)
RRALs					100	10	50	600						
					mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
BH-23	5/10/2024	3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	585
BH-24	5/10/2024	3.0	-	X	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	629
	5/20/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,840
BH-25	5/10/2024	3.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	322
BH-26	5/10/2024	3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	295
BH-27	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,850
BH-28	5/10/2024	4.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	1,850
BH-29	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,220
BH-30	5/10/2024	4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	1,190
BH-31	5/10/2024	4.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	1,120
BH-32	5/10/2024	5.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	3,480
BH-33	5/10/2024	5.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	4,380
BH-34	5/10/2024	5.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	3,790
BH-35	5/10/2024	5.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00400	<0.00400	2,310
BH-36	5/10/2024	5.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1,970
BH-37	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,170
BH-38	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,680
BH-39	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,280
BH-40	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
BH-41	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	928
BH-42	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	944
BH-43	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	960
BH-44	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	976
BH-45	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,960
BH-46	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,160
BH-47	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,200

Table 2
EOG Resources
Osprey Lay Flat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)				Chloride (mg/kg)	
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)		Total (mg/Kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
BH-48	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,160
BH-49	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	3,920
BH-50	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
BH-51	5/15/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,080
BH-52	5/15/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	7,280
BH-53	5/15/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	880
BH-54	5/15/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
BH-55	5/15/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,720
BH-56	5/20/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200
BH-57	5/20/2024	4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,920
BH-58	5/14/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,640
BH-59	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,200
BH-60	5/20/2024	9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	960
SW-1	5/10/2024	0-3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	216
SW-2	5/10/2024	0-4.0	X	-	<50.1	<50.1	<50.1	<50.1	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	254
SW-3	5/10/2024	0-4.0	X	-	<49.6	<49.6	<49.6	<49.6	<0.00198	<0.00198	<0.00198	<0.00397	<0.00397	320
SW-4	5/10/2024	0-5.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	218
SW-5	5/10/2024	0-5.0	X	-	<50.0	<50.0	<50.0	<50.0	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	381
SW-6	5/10/2024	0-5.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	334
SW-7	5/10/2024	0-3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	417
SW-8	5/10/2024	0-3.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	332
SW-9	5/10/2024	0-3.0	X	-	<49.8	<49.8	<49.8	<49.8	<0.00202	<0.00202	<0.00202	<0.00403	<0.00403	281
SW-10	5/10/2024	0-4.0	X	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	293
SW-11	5/10/2024	0-4.0	X	-	<50.3	<50.3	<50.3	<50.3	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	265
SW-12	5/10/2024	0-4.0	X	-	<50.4	<50.4	<50.4	<50.4	<0.00202	<0.00202	<0.00202	<0.00404	<0.00404	590
SW-13	5/10/2024	0-4.0	X	-	<50.5	<50.5	<50.5	<50.5	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	539

Table 2
EOG Resources
Osprey Lay Flat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)				Chloride (mg/kg)	
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)		Total (mg/Kg)
RRALs					100	10	50	600						
					mg/kg	mg/kg	mg/kg	mg/kg						
SW-14	5/10/2024	3.0-5.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	580
SW-15	5/10/2024	3.0-5.0	X	-	<49.7	<49.7	<49.7	<49.7	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	344
SW-16	5/14/2024	0-9.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
	5/21/2024	0-9.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
	5/28/2024	0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-17	5/14/2024	0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-18A	5/20/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	592
SW-18	5/20/2024	4.0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	4,800
SW-19A	5/20/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-19	5/20/2024	4.0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	2,640
SW-20	5/14/2024	0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	160
SW-21	5/14/2024	0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
SW-22	5/20/2024	0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-23	5/20/2024	4.0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	400
SW-24	5/14/2024	4.0-9.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
SW-25	5/14/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-26	5/14/2024	0-4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	5/21/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	560
SW-27	5/14/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-28	5/20/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
SW-29	5/20/2024	0-4.0	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	608
	5/28/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-30	5/20/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
SW-31	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-32	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-33	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-34	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
SW-35	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256

Table 2
EOG Resources
Osprey Lay Flat
Lea County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Soil Status		TPH (mg/kg)				BTEX (mg/kg)				Chloride (mg/kg)	
			In-Situ	Removed	GRO mg/kg	DRO mg/kg	ORO mg/kg	Total mg/kg	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)		Total (mg/Kg)
RRALs					100 mg/kg				10 mg/kg				50 mg/kg	600 mg/kg
SW-36	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
SW-37	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
SW-38	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
SW-39	5/20/2024	3.0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SW-40	5/20/2024	0-4.0	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208

NOTES

RRALs (Recommended Remediation Action Levels) are based on NMOCD (New Mexico Oil Conservation Division) *Guidelines for Remediation of Leaks, Spills, and*

All screening values and results are presented in milligrams per kilogram (mg/kg)

Bolded cells represent a detected concentration above the respective screening value.

< = analyte was not detected above the respective sample detection limit

ft = feet below ground surface

(-) = not analyzed for respective constituent

TPH = total petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene, xylene

Excavated

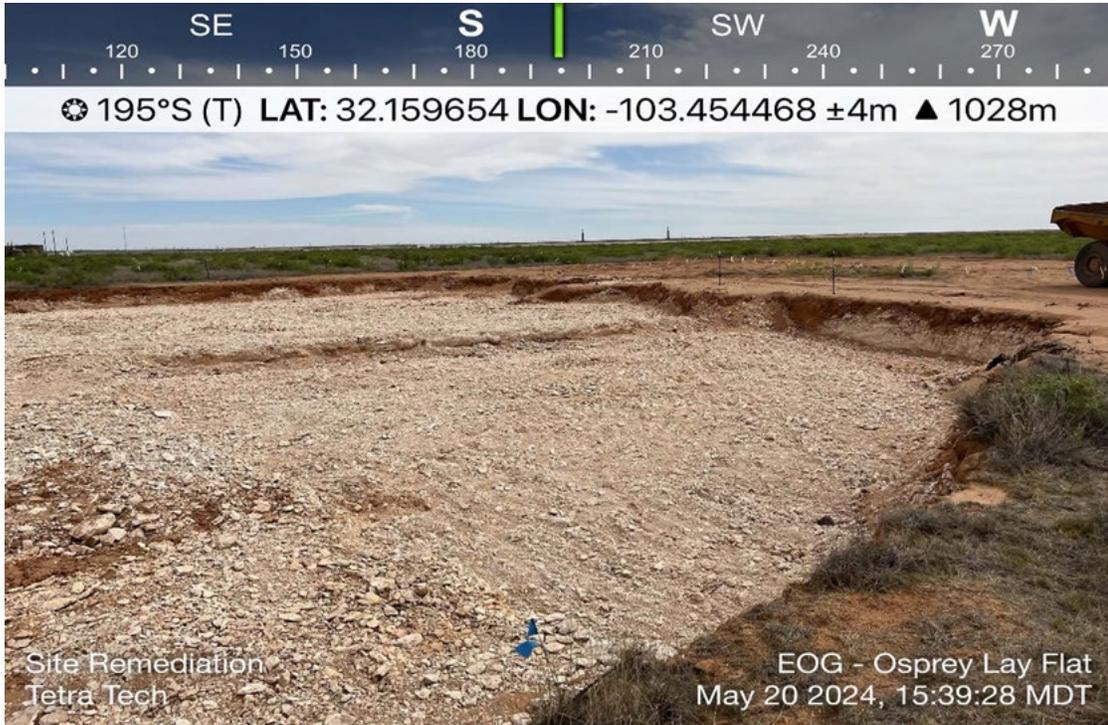


Photographic Documentation

EOG Resources
Osprey Lay Flat
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View South



View of Remediation Activities – View Northeast

EOG Resources
Osprey Lay Flat
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View South



View of Remediation Activities – View North

EOG Resources
Osprey Lay Flat
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View Southeast



View of Remediation Activities – View South

EOG Resources
Osprey Lay Flat
Lea County, New Mexico



TETRA TECH



View of Remediation Activities – View Southwest



Appendix A

C-141 Document

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party EOG Resources	OGRID 7377
Contact Name James Kennedy	Contact Telephone (432) 848-9146
Contact email James_Kennedy@eogresources.com	Incident # (assigned by OCD)
Contact mailing address 5509 Champions Drive Midland, TX 79706	

Location of Release Source

Latitude 32.159271° Longitude -103.454307°
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Osprey Lay Flat	Site Type Reuse Water Lay Flat Line
Date Release Discovered 6/30/20	API# (if applicable)

Unit Letter	Section	Township	Range	County
G	3	25S	34E	Lea

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Reuse Water	Volume Released (bbls) 1,000	Volume Recovered (bbls) 20
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: While pumping from the pit to the frac, the line developed a pinhole leak. Approximately 1,000 bbls of reuse water released from the line and 20 bbls was recovered.

State of New Mexico
Oil Conservation Division

Page 2

Incident ID	
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? More than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Yes, email notification to the District 1 inbox on 7/7/20.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.
If all the actions described above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: <u>James Kennedy</u> Title: <u>Environmental Specialist</u> Signature: _____ Date: <u>7-7-20</u> email: <u>James_Kennedy@eogresources.com</u> Telephone: <u>(432) 848-9146</u>
<u>OCD Only</u> Received by: _____ Date: _____

From: [Wells, Shelly, EMNRD](#)
To: [James Kennedy](#); [Long, Brittany](#)
Cc: [Gonzales, Clair](#)
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151
Date: Thursday, March 7, 2024 2:01:27 PM
Attachments: [image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

You don't often get email from shelly.wells@emnrd.nm.gov. [Learn why this is important](#)

CAUTION: This email originated from an external sender. Verify the source before opening links or attachments.

No because the liner was denied. You can carry out the remediation and submit a closure report or resubmit a remediation plan minus a liner.

Shelly

From: James Kennedy <James_Kennedy@eogresources.com>
Sent: Thursday, March 7, 2024 12:10 PM
To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>; Long, Brittany <Brittany.Long@tetrattech.com>
Cc: Gonzales, Clair <Clair.Gonzales@tetrattech.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151

Shelly,

Will you be re-opening the workplan and approving it through the portal?

James F. Kennedy

Environmental Supervisor
Midland Division
C: 432-258-4346
O: 432-848-9146



From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Thursday, March 7, 2024 12:51 PM
To: Long, Brittany <Brittany.Long@tetrattech.com>
Cc: James Kennedy <James_Kennedy@eogresources.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>
Subject: RE: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151

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Hi Brittany,

It was good speaking to you. I agree that Borehole 1 serves as the vertical delineation required per 19.15.29.11(A)5(c) NMAC. EOG has already taken care of that part of the requirement so all that's left is for the remediation to occur.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Long, Brittany <Brittany.Long@tetrattech.com>

Sent: Thursday, March 7, 2024 10:59 AM

To: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>

Cc: James Kennedy <James_Kennedy@eogresources.com>; Gonzales, Clair <Clair.Gonzales@tetrattech.com>

Subject: [EXTERNAL] FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151

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Good morning Shelly,

I wanted to reach out on this incident. I am hoping for additional clarification before we begin the remediation.

The denial of the liner is understood, and proper remediation of the site will be conducted to the appropriate depths to remove impact following the 51 feet-100 feet DTGW Table 1 standards. However, I don't see the report that was submitted for your review on the portal, but the final report we have in our files shows delineation of chloride concentrations below 600 mg/kg of the T-6/AH-8 area, with 2 consecutive samples at the bottom depths, via the borehole (BH-1) that was

installed on August 11, 2020. Based on the delineation data, proposed excavation of this area would be to 9.5 feet below ground surface and 5-point composite bottom hole and sidewall samples would confirm impact removal, as approved.

Please let me know if we can discuss this further.

Best Regards,

Brittany D. Long,

Brittany D. Long | Biologist & Project Manager

Phone: 432.682.4559 | Mobile 432.741.5813 | Fax:432.682.3946

Brittany.Long@tetrattech.com

Tetra Tech | *Leading with Science*[®]

901 West Wall Street, Suite 100 Midland, Texas 79701

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Please consider the environment before printing. [Read more](#)



From: James Kennedy <James_Kennedy@eogresources.com>

Sent: Friday, March 1, 2024 10:15 AM

To: Gonzales, Clair <Clair.Gonzales@tetrattech.com>; Long, Brittany <Brittany.Long@tetrattech.com>

Subject: FW: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151

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James F. Kennedy

Environmental Supervisor

Midland Division

C: 432-258-4346

O: 432-848-9146



From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

Sent: Monday, February 26, 2024 12:14 PM

To: James Kennedy <James_Kennedy@eogresources.com>

Subject: The Oil Conservation Division (OCD) has rejected the application, Application ID: 288151

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recognize the sender and know the content is safe.

To whom it may concern (c/o James Kennedy for EOG RESOURCES INC),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2333071200, for the following reasons:

- **Remediation plan is denied. A variance to install a 20-mil liner is denied. OCD will no longer approve liner installations for contaminant mitigation. Site must be remediated to 51 feet-100 feet dtgw Table 1 standards. Because 19.15.29.11(A)5(c) NMAC applies, “the responsible party must delineate the vertical extent of the release to the greater of 600 mg/kg chloride or background chloride level.” Because area of T-6/AH-8 is area of highest concentration of chlorides, EOG needs to vertically delineate in 1 foot increments to 600 mg/kg in this area. These samples may be tested for chlorides only. All other samples should be tested for all Table I constituents per 19.15.29.12(D)1 NMAC. The alternative confirmation sampling plan taking confirmation samples no more than 400 square feet is approved as this is the largest variance OCD will approve. Resubmit remediation plan or remediation closure report to OCD by May 26, 2024.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 288151.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Shelly Wells
Environmental Specialist-A
505-469-7520
Shelly.Wells@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 341992

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 341992
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	16,000
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/10/2024
Time sampling will commence	09:30 AM
Please provide any information necessary for observers to contact samplers	Contact – Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	Directions – From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

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 1625 N. French Dr., Hobbs, NM 88240
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1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 341992

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 341992
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/8/2024

District I
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 342835

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342835
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	16,000
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/14/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

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Santa Fe, NM 87505

CONDITIONS

Action 342835

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342835
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/10/2024

District I
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 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 342837

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	16,000
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/15/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS
 Action 342837

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 342837
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/10/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
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 811 S. First St., Artesia, NM 88210
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District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
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 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 345015

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 345015
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/20/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

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 1000 Rio Brazos Rd., Aztec, NM 87410
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 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 345015

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 345015
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/16/2024

District I
 1625 N. French Dr., Hobbs, NM 88240
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 811 S. First St., Artesia, NM 88210
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 345019

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 345019
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	2,000
What is the estimated number of samples that will be gathered	10
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/21/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

District I
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 345019

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 345019
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/16/2024

District I
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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 347215

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 347215
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	400
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2024
Time sampling will commence	10:15 AM
Please provide any information necessary for observers to contact samplers	Tetra Tech/432-741-5813
Please provide any information necessary for navigation to sampling site	From intersection Reynolds Blvd and Battle Axe Rd, travel Northeast on Battle Axe Rd for 1.75 miles. Location on west side of road.

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 347215

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 347215
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jameskennedy	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/23/2024



Appendix B

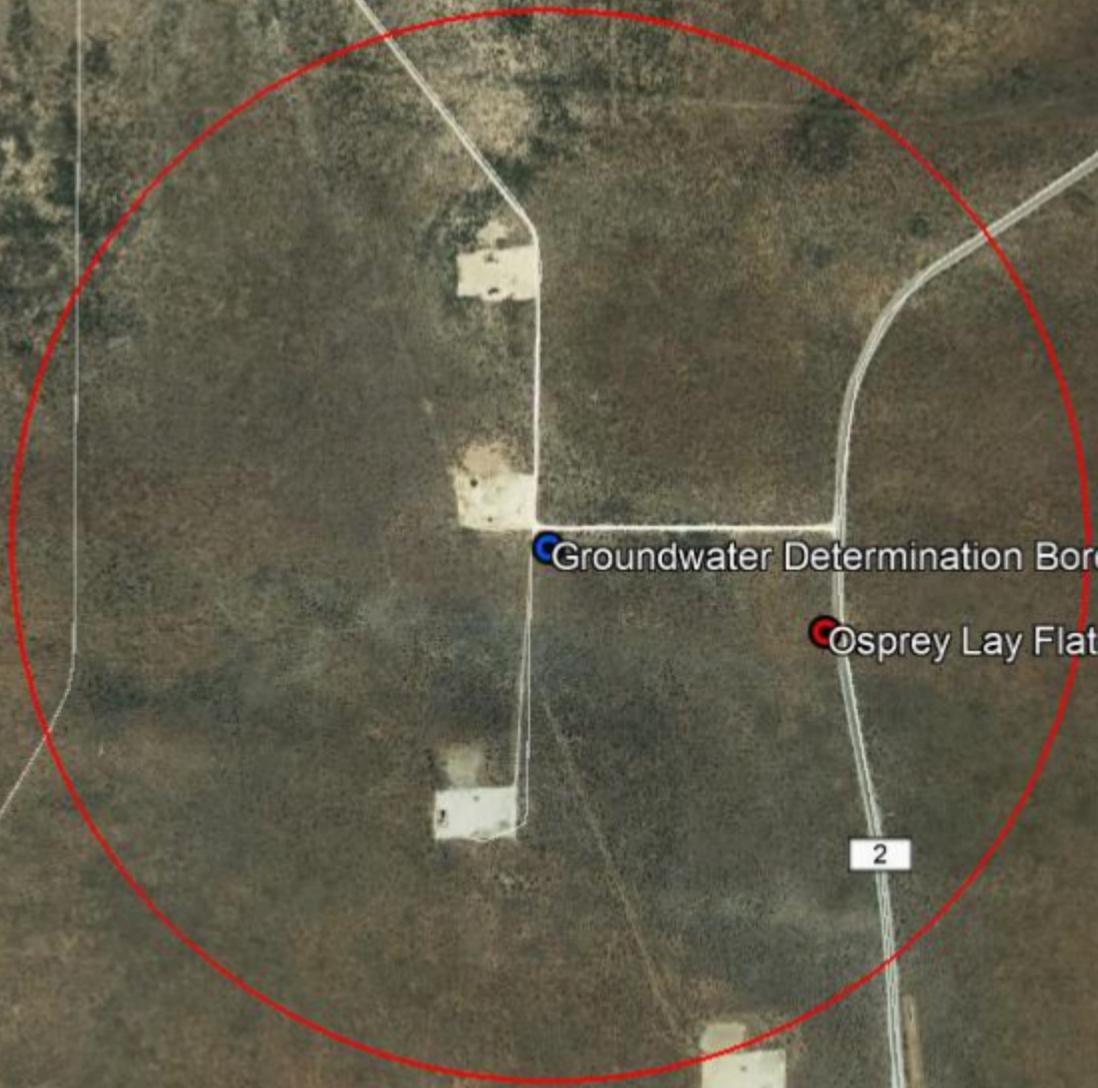
Site Characterization Documents

EOG Resources

Osprey Lay Flat

Legend

- 0.50 mile radius
- Groundwater Determination Bore
- Osprey Lay Flat





New Mexico Office of the State Engineer Water Column/Average Depth to Water

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

(R=POD has been replaced, O=orphaned, C=the file is closed) (quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
C 02299	CUB	LE	4	2	4	24	25S	34E	649517	3554125		350	300	50
C 02314	CUB	LE	2	4	2	15	25S	34E	646116	3556179		175	135	40
C 02315	CUB	LE	2	4	2	15	25S	34E	646095	3556194		175	135	40
C 02316	CUB	LE	3	4	3	29	25S	34E	642003	3551967*		100	50	50
C 02317	CUB	LE	3	4	3	29	25S	34E	642003	3551967*		100	50	50
C 02401	CUB	LE	2	2	1	01	25S	34E	648534	3559896*		275	260	15

Average Depth to Water: **155 feet**
 Minimum Depth: **50 feet**
 Maximum Depth: **300 feet**

Record Count: 6

Basin/County Search:

County: Lea

PLSS Search:

Township: 25S **Range:** 34E

*UTM location was derived from PLSS - see Help

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



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National Water Information System: Web Interface

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Data Category: Geographic Area:

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Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 320738103270501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320738103270501 25S.34E.15.24234

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

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1954-07-23		D	164.94			2	S	U		U	A
1970-12-08		D	163.22			2	S	U		U	A
1976-01-15		D	165.80			2		U		U	A
1981-03-25		D	162.80			2		U		U	A
1986-03-12		D	160.24			2		U		U	A
1991-06-05		D	165.10			2		U		U	A
2013-01-16	14:30 MST	m	174.06			2	R	S	USGS	R	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	R	Site had been pumped recently.
Status	S	Nearby site that taps the same aquifer was being pumped.
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	R	Reported by person other than the owner, driller, or another government agency.
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.



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National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#)

Groundwater levels for New Mexico

Click to hide state-specific text

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 320934103253901

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 320934103253901 25S.34E.01.13424

Lea County, New Mexico

Latitude 32°09'34", Longitude 103°25'39" NAD27

Land-surface elevation 3,384 feet above NAVD88

The depth of the well is 300 feet below land surface.

This well is completed in the Chinle Formation (231CHNL) local aquifer.

Output formats

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

Date	Time	? Water-level date-time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water-level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1953-04-15		D	231.00			2			U		U A
1968-06-12		D	222.15			2	S		U		U A
1970-12-08		D	218.19			2			U		U A
1981-05-19		D	225.73			2			U		U A
1986-03-12		D	224.42			2			U		U A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Status	S	Nearby site that taps the same aquifer was being pumped.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Source of measurement	U	Source is unknown.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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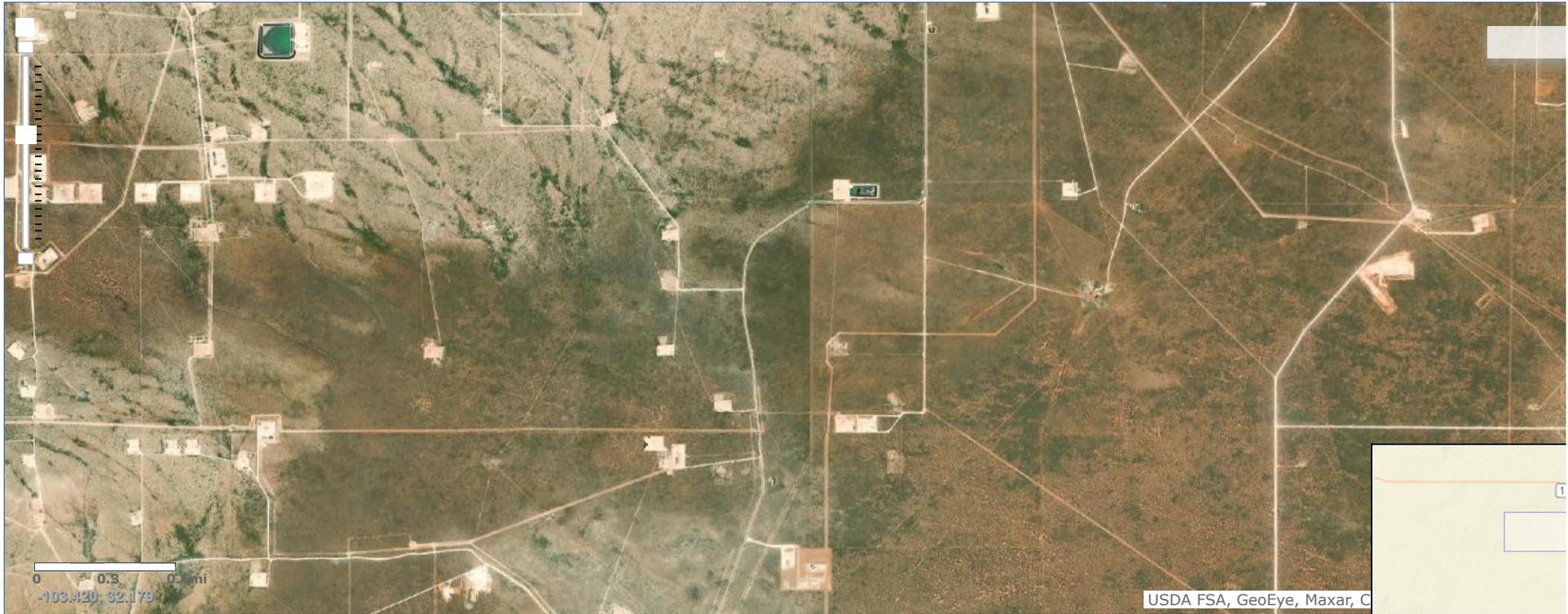
[Explanation of terms](#)

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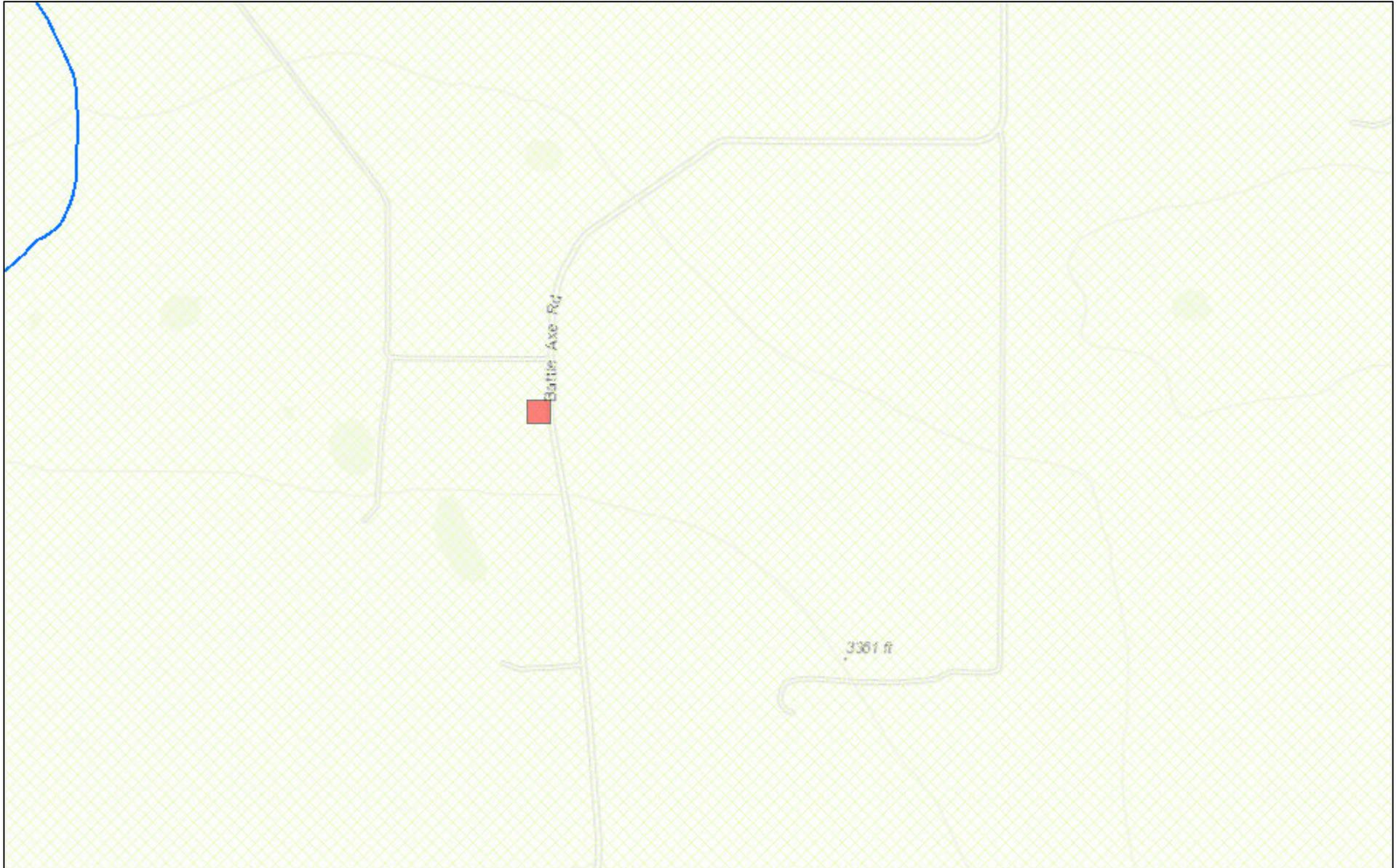


National Water Information System: Mapper



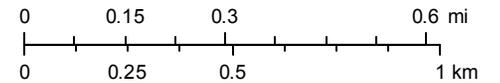
Site Information

New Mexico NFHL Data



July 21, 2020

1:18,056



FEMA
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS,

Low Karst
OG
Osprey Lay Flat

Released by Imaging: 1/16/2026 11:19:29 AM

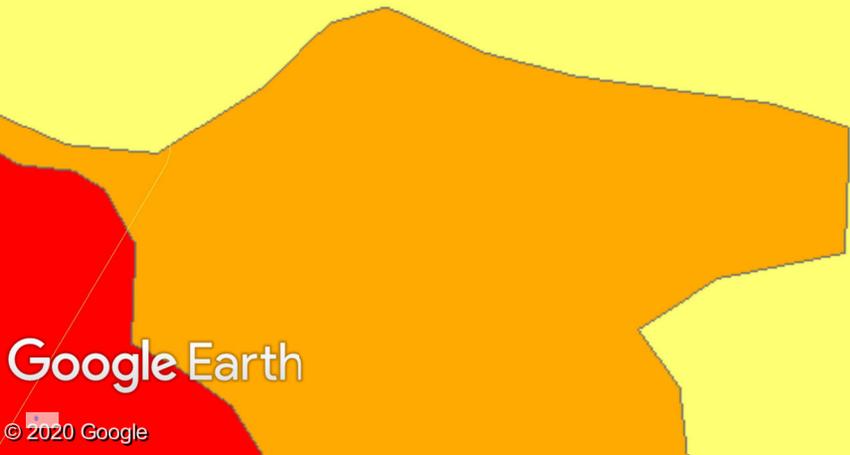
Legend

-  High
-  Low
-  Medium
-  Osprey Lay Flat

Received by OCD: 1/15/2026 9:39:34 AM

Osprey Lay Flat

128





Appendix C

Laboratory Reports



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	666874-001	666874-002	666874-003	666874-004	666874-005	666874-006
	<i>Field Id:</i>	AH-1 (0'-1')	AH-1 (1'-1.5')	AH-2 (0'-1')	AH-2 (1'-1.5')	AH-3 (0'-1')	AH--3 (01'-5')
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	07.10.2020 17:00		07.10.2020 17:00		07.10.2020 17:00	
	<i>Analyzed:</i>	07.11.2020 00:20		07.11.2020 00:40		07.11.2020 01:01	
	<i>Units/RL:</i>	mg/kg RL		mg/kg RL		mg/kg RL	
Benzene		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
Toluene		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
Ethylbenzene		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
m,p-Xylenes		<0.00396 0.00396		<0.00399 0.00399		<0.00401 0.00401	
o-Xylene		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
Total Xylenes		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
Total BTEX		<0.00198 0.00198		<0.00200 0.00200		<0.00200 0.00200	
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30
	<i>Analyzed:</i>	07.13.2020 11:24	07.13.2020 11:31	07.13.2020 11:37	07.13.2020 11:44	07.13.2020 12:03	07.13.2020 12:09
	<i>Units/RL:</i>	mg/kg RL					
Chloride		7630 49.9	9340 49.6	5950 49.9	7840 50.4	5720 50.0	7350 50.2
TPH By SW8015 Mod	<i>Extracted:</i>	07.10.2020 17:00		07.10.2020 17:00		07.10.2020 17:00	
	<i>Analyzed:</i>	07.11.2020 11:05		07.11.2020 12:41		07.11.2020 13:00	
	<i>Units/RL:</i>	mg/kg RL		mg/kg RL		mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9		<49.9 49.9		<50.0 50.0	
Diesel Range Organics (DRO)		<49.9 49.9		<49.9 49.9		<50.0 50.0	
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9		<49.9 49.9		<50.0 50.0	
Total TPH		<49.9 49.9		<49.9 49.9		<50.0 50.0	

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	666874-007	666874-008	666874-009	666874-010	666874-011	666874-012
	<i>Field Id:</i>	AH-4 (0'-1')	AH-4 (1'-1.5')	AH-4 (2'-2.5')	AH-5 (0'-1')	AH-6 (0'-1')	AH-7 (0'-1')
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	07.10.2020 17:00			07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>	07.11.2020 01:22			07.11.2020 01:42	07.11.2020 02:03	07.11.2020 02:23
	<i>Units/RL:</i>	mg/kg RL			mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199			<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Toluene		<0.00199 0.00199			<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
Ethylbenzene		<0.00199 0.00199			<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201
m,p-Xylenes		<0.00398 0.00398			<0.00398 0.00398	<0.00397 0.00397	<0.00402 0.00402
o-Xylene		<0.00199 0.00199			0.0134 0.00199	<0.00198 0.00198	<0.00201 0.00201
Total Xylenes		<0.00199 0.00199			0.0134 0.00199	<0.00198 0.00198	<0.00201 0.00201
Total BTEX		<0.00199 0.00199			0.0134 0.00199	<0.00198 0.00198	<0.00201 0.00201
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30
	<i>Analyzed:</i>	07.13.2020 12:15	07.13.2020 12:22	07.13.2020 12:28	07.13.2020 12:53	07.13.2020 11:05	07.13.2020 12:34
	<i>Units/RL:</i>	mg/kg RL					
Chloride		6410 49.5	7580 49.8	9640 49.6	11300 99.0	15.5 5.02	12.6 5.00
TPH By SW8015 Mod	<i>Extracted:</i>	07.10.2020 17:00			07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>	07.11.2020 13:19			07.11.2020 13:38	07.11.2020 13:57	07.11.2020 14:16
	<i>Units/RL:</i>	mg/kg RL			mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<49.9 49.9			<50.0 50.0	<50.0 50.0	<49.8 49.8
Diesel Range Organics (DRO)		<49.9 49.9			<50.0 50.0	<50.0 50.0	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)		<49.9 49.9			<50.0 50.0	<50.0 50.0	<49.8 49.8
Total TPH		<49.9 49.9			<50.0 50.0	<50.0 50.0	<49.8 49.8

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	666874-013	666874-014	666874-015	666874-016	666874-017	666874-018
	<i>Field Id:</i>	AH-7 (1'-1.5')	AH-8 (0'-1')	AH-8 (1'-1.5')	AH-8 (2'-2.5')	AH-8 (3'-3.5')	AH-9 (0'-1')
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>		07.10.2020 17:00				07.10.2020 17:00
	<i>Analyzed:</i>		07.11.2020 02:44				07.11.2020 03:04
	<i>Units/RL:</i>		mg/kg RL				mg/kg RL
Benzene			<0.00200 0.00200				<0.00199 0.00199
Toluene			<0.00200 0.00200				<0.00199 0.00199
Ethylbenzene			<0.00200 0.00200				<0.00199 0.00199
m,p-Xylenes			<0.00401 0.00401				<0.00398 0.00398
o-Xylene			<0.00200 0.00200				<0.00199 0.00199
Total Xylenes			<0.00200 0.00200				<0.00199 0.00199
Total BTEX			<0.00200 0.00200				<0.00199 0.00199
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 09:30
	<i>Analyzed:</i>	07.13.2020 13:00	07.13.2020 13:19	07.13.2020 13:25	07.13.2020 13:31	07.13.2020 13:38	07.13.2020 13:44
	<i>Units/RL:</i>	mg/kg RL					
Chloride		139 5.03	5540 49.8	5990 50.5	6400 50.5	9590 49.8	10100 99.0
TPH By SW8015 Mod	<i>Extracted:</i>		07.10.2020 17:00				07.10.2020 17:00
	<i>Analyzed:</i>		07.11.2020 14:36				07.11.2020 14:55
	<i>Units/RL:</i>		mg/kg RL				mg/kg RL
Gasoline Range Hydrocarbons (GRO)			<50.0 50.0				<49.9 49.9
Diesel Range Organics (DRO)			<50.0 50.0				<49.9 49.9
Motor Oil Range Hydrocarbons (MRO)			<50.0 50.0				<49.9 49.9
Total TPH			<50.0 50.0				<49.9 49.9

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	666874-019	666874-020	666874-021	666874-022	666874-023	666874-024
	<i>Field Id:</i>	AH-9 (1'-1.5')	AH-10 (0'-1')	AH-10 (1'-1.5')	H-1 (0'-6")	H-2 (0'-6")	H-3 (0'-6")
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.09.2020 00:00	07.09.2020 00:00	07.09.2020 00:00	07.10.2020 00:00	07.10.2020 00:00	07.10.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>		07.10.2020 17:00		07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>		07.11.2020 03:25		07.11.2020 04:27	07.11.2020 04:47	07.11.2020 05:08
	<i>Units/RL:</i>		mg/kg RL		mg/kg RL	mg/kg RL	mg/kg RL
Benzene			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
Toluene			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
Ethylbenzene			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
m,p-Xylenes			<0.00397 0.00397		<0.00402 0.00402	<0.00398 0.00398	<0.00396 0.00396
o-Xylene			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
Total Xylenes			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
Total BTEX			<0.00198 0.00198		<0.00201 0.00201	<0.00199 0.00199	<0.00198 0.00198
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.13.2020 09:30	07.13.2020 09:30	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10
	<i>Analyzed:</i>	07.13.2020 13:50	07.13.2020 13:57	07.13.2020 10:42	07.13.2020 10:27	07.13.2020 10:47	07.13.2020 10:52
	<i>Units/RL:</i>	mg/kg RL					
Chloride		6570 49.6	6760 50.3	7670 49.6	12.7 5.00	14.5 4.99	8.91 5.00
TPH By SW8015 Mod	<i>Extracted:</i>		07.10.2020 17:00		07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>		07.11.2020 15:14		07.11.2020 15:52	07.11.2020 16:11	07.11.2020 16:30
	<i>Units/RL:</i>		mg/kg RL		mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)			<50.0 50.0		<50.0 50.0	<49.9 49.9	<49.8 49.8
Diesel Range Organics (DRO)			<50.0 50.0		<50.0 50.0	<49.9 49.9	<49.8 49.8
Motor Oil Range Hydrocarbons (MRO)			<50.0 50.0		<50.0 50.0	<49.9 49.9	<49.8 49.8
Total TPH			<50.0 50.0		<50.0 50.0	<49.9 49.9	<49.8 49.8

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	666874-025	666874-026	666874-027	666874-028	666874-029	666874-030
	<i>Field Id:</i>	H-4 (0'-6")	H-5 (0'-6")	H-6 (0'-6")	H-7 (0'-6")	H-8 (0'-6")	H-9 (0'-6")
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.10.2020 00:00	07.10.2020 00:00	07.10.2020 00:00	07.10.2020 00:00	07.10.2020 00:00	07.10.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>	07.11.2020 05:28	07.11.2020 05:49	07.11.2020 06:09	07.11.2020 06:30	07.11.2020 06:50	07.11.2020 07:11
	<i>Units/RL:</i>	mg/kg RL					
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00396 0.00396
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10	07.13.2020 10:10
	<i>Analyzed:</i>	07.13.2020 10:57	07.13.2020 11:12	07.13.2020 11:17	07.13.2020 11:22	07.13.2020 11:27	07.13.2020 11:33
	<i>Units/RL:</i>	mg/kg RL					
Chloride		7.75 5.00	8.02 5.00	8.40 5.02	17.8 4.98	13.9 4.95	8.63 5.05
TPH By SW8015 Mod	<i>Extracted:</i>	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00	07.10.2020 17:00
	<i>Analyzed:</i>	07.11.2020 16:49	07.12.2020 08:46	07.11.2020 17:27	07.11.2020 17:46	07.11.2020 18:05	07.11.2020 18:24
	<i>Units/RL:</i>	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Diesel Range Organics (DRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0
Total TPH		<50.0 50.0	<50.0 50.0	<50.0 50.0	<49.9 49.9	<50.0 50.0	<50.0 50.0

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Xenco

Certificate of Analysis Summary 666874

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Lay Flat

Project Id:

Contact: Mike Carmona

Project Location: Lea County, NM

Date Received in Lab: Fri 07.10.2020 13:09

Report Date: 07.14.2020 14:28

Project Manager: Jessica Kramer

Analysis Requested	Lab Id:	666874-031				
	Field Id:	H-10 (0'-6")				
	Depth:					
	Matrix:	SOIL				
	Sampled:	07.10.2020 00:00				
BTEX by EPA 8021B	Extracted:	07.10.2020 17:00				
	Analyzed:	07.11.2020 07:31				
	Units/RL:	mg/kg RL				
	Benzene	<0.00199 0.00199				
	Toluene	<0.00199 0.00199				
	Ethylbenzene	<0.00199 0.00199				
	m,p-Xylenes	<0.00398 0.00398				
	o-Xylene	<0.00199 0.00199				
Total Xylenes	<0.00199 0.00199					
Total BTEX	<0.00199 0.00199					
Inorganic Anions by EPA 300/300.1	Extracted:	07.13.2020 10:10				
	Analyzed:	07.13.2020 11:38				
	Units/RL:	mg/kg RL				
Chloride	9.69 5.05					
TPH By SW8015 Mod	Extracted:	07.10.2020 17:00				
	Analyzed:	07.11.2020 18:43				
	Units/RL:	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<49.9 49.9				
	Diesel Range Organics (DRO)	<49.9 49.9				
Motor Oil Range Hydrocarbons (MRO)	<49.9 49.9					
Total TPH	<49.9 49.9					

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Xenco

Analytical Report 666874

for

Tetra Tech- Midland

Project Manager: Mike Carmona

EOG Osprey Lay Flat

07.14.2020

Collected By: Client



**1211 W. Florida Ave
Midland TX 79701**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNi02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



07.14.2020

Project Manager: **Mike Carmona**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **666874**

EOG Osprey Lay Flat

Project Address: Lea County, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 666874. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 666874 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads "Jessica Kramer".

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Xenco

Sample Cross Reference 666874

Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
AH-1 (0'-1')	S	07.09.2020 00:00		666874-001
AH-1 (1'-1.5')	S	07.09.2020 00:00		666874-002
AH-2 (0'-1')	S	07.09.2020 00:00		666874-003
AH-2 (1'-1.5')	S	07.09.2020 00:00		666874-004
AH-3 (0'-1')	S	07.09.2020 00:00		666874-005
AH--3 (01'-5')	S	07.09.2020 00:00		666874-006
AH-4 (0'-1')	S	07.09.2020 00:00		666874-007
AH-4 (1'-1.5')	S	07.09.2020 00:00		666874-008
AH-4 (2'-2.5')	S	07.09.2020 00:00		666874-009
AH-5 (0'-1')	S	07.09.2020 00:00		666874-010
AH-6 (0'-1')	S	07.09.2020 00:00		666874-011
AH-7 (0'-1')	S	07.09.2020 00:00		666874-012
AH-7 (1'-1.5')	S	07.09.2020 00:00		666874-013
AH-8 (0'-1')	S	07.09.2020 00:00		666874-014
AH-8 (1'-1.5')	S	07.09.2020 00:00		666874-015
AH-8 (2'-2.5')	S	07.09.2020 00:00		666874-016
AH-8 (3'-3.5')	S	07.09.2020 00:00		666874-017
AH-9 (0'-1')	S	07.09.2020 00:00		666874-018
AH-9 (1'-1.5')	S	07.09.2020 00:00		666874-019
AH-10 (0'-1')	S	07.09.2020 00:00		666874-020
AH-10 (1'-1.5')	S	07.09.2020 00:00		666874-021
H-1 (0'-6")	S	07.10.2020 00:00		666874-022
H-2 (0'-6")	S	07.10.2020 00:00		666874-023
H-3 (0'-6")	S	07.10.2020 00:00		666874-024
H-4 (0'-6")	S	07.10.2020 00:00		666874-025
H-5 (0'-6")	S	07.10.2020 00:00		666874-026
H-6 (0'-6")	S	07.10.2020 00:00		666874-027
H-7 (0'-6")	S	07.10.2020 00:00		666874-028
H-8 (0'-6")	S	07.10.2020 00:00		666874-029
H-9 (0'-6")	S	07.10.2020 00:00		666874-030
H-10 (0'-6")	S	07.10.2020 00:00		666874-031



Xenco

CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: EOG Osprey Lay Flat

Project ID:
Work Order Number(s): 666874

Report Date: 07.14.2020
Date Received: 07.10.2020

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3131437 TPH By SW8015 Mod

Diesel Range Organics (DRO), Gasoline Range Hydrocarbons (GRO) RPD was outside laboratory control limits.

Samples in the analytical batch are: 666874-001, -003, -005, -007, -010, -011, -012, -014, -018, -020, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031



Xenco

Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-1 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-001 Date Collected: 07.09.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 09:30

Basis: Wet Weight

Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7630	49.9	mg/kg	07.13.2020 11:24		10

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 11:05	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 11:05	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 11:05	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 11:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	113	%	70-130	07.11.2020 11:05	
o-Terphenyl	84-15-1	121	%	70-130	07.11.2020 11:05	



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Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-1 (0'-1')**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-001

Date Collected: 07.09.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.11.2020 00:20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.11.2020 00:20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	101	%	70-130	07.11.2020 00:20		
1,4-Difluorobenzene	540-36-3	116	%	70-130	07.11.2020 00:20		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-1 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-002 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9340	49.6	mg/kg	07.13.2020 11:31		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-2 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-003 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5950	49.9	mg/kg	07.13.2020 11:37		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 12:41	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 12:41	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 12:41	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 12:41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	111	%	70-130	07.11.2020 12:41	
o-Terphenyl	84-15-1	119	%	70-130	07.11.2020 12:41	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-2 (0'-1')**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-003

Date Collected: 07.09.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.11.2020 00:40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 00:40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	70-130	07.11.2020 00:40		
1,4-Difluorobenzene	540-36-3	114	%	70-130	07.11.2020 00:40		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-2 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-004 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7840	50.4	mg/kg	07.13.2020 11:44		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-3 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-005 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5720	50.0	mg/kg	07.13.2020 12:03		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 13:00	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 13:00	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 13:00	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 13:00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	07.11.2020 13:00	
o-Terphenyl	84-15-1	118	%	70-130	07.11.2020 13:00	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-3 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-005 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.11.2020 01:01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 01:01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.11.2020 01:01	
4-Bromofluorobenzene	460-00-4	98	%	70-130	07.11.2020 01:01	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH--3 (01'-5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-006 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7350	50.2	mg/kg	07.13.2020 12:09		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-4 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-007 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6410	49.5	mg/kg	07.13.2020 12:15		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 13:19	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 13:19	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 13:19	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 13:19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	07.11.2020 13:19	
o-Terphenyl	84-15-1	123	%	70-130	07.11.2020 13:19	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-4 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-007 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 01:22	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 01:22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	101	%	70-130	07.11.2020 01:22	
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.11.2020 01:22	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-4 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-008 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7580	49.8	mg/kg	07.13.2020 12:22		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-4 (2'-2.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-009 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9640	49.6	mg/kg	07.13.2020 12:28		10



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-5 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-010 Date Collected: 07.09.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 09:30

Basis: Wet Weight

Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11300	99.0	mg/kg	07.13.2020 12:53		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 13:38	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 13:38	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 13:38	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 13:38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	116	%	70-130	07.11.2020 13:38	
o-Terphenyl	84-15-1	124	%	70-130	07.11.2020 13:38	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-5 (0'-1')**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-010

Date Collected: 07.09.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 01:42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 01:42	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 01:42	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 01:42	U	1
o-Xylene	95-47-6	0.0134	0.00199	mg/kg	07.11.2020 01:42		1
Total Xylenes	1330-20-7	0.0134	0.00199	mg/kg	07.11.2020 01:42		1
Total BTEX		0.0134	0.00199	mg/kg	07.11.2020 01:42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	108	%	70-130	07.11.2020 01:42	
1,4-Difluorobenzene	540-36-3	117	%	70-130	07.11.2020 01:42	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-6 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-011 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.5	5.02	mg/kg	07.13.2020 11:05		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 13:57	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 13:57	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 13:57	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 13:57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-130	07.11.2020 13:57	
o-Terphenyl	84-15-1	106	%	70-130	07.11.2020 13:57	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-6 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-011 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.11.2020 02:03	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.11.2020 02:03	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	105	%	70-130	07.11.2020 02:03	
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.11.2020 02:03	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-7 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-012 Date Collected: 07.09.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 09:30

Basis: Wet Weight

Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.6	5.00	mg/kg	07.13.2020 12:34		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.11.2020 14:16	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.11.2020 14:16	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.11.2020 14:16	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.11.2020 14:16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-130	07.11.2020 14:16	
o-Terphenyl	84-15-1	111	%	70-130	07.11.2020 14:16	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-7 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-012 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.11.2020 02:23	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.11.2020 02:23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	104	%	70-130	07.11.2020 02:23	
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.11.2020 02:23	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-7 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-013 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	139	5.03	mg/kg	07.13.2020 13:00		1



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-8 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-014 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5540	49.8	mg/kg	07.13.2020 13:19		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 14:36	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 14:36	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 14:36	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 14:36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-130	07.11.2020 14:36	
o-Terphenyl	84-15-1	115	%	70-130	07.11.2020 14:36	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-8 (0'-1')**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-014

Date Collected: 07.09.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.11.2020 02:44	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 02:44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.11.2020 02:44		
4-Bromofluorobenzene	460-00-4	105	%	70-130	07.11.2020 02:44		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-8 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-015 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5990	50.5	mg/kg	07.13.2020 13:25		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-8 (2'-2.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-016 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6400	50.5	mg/kg	07.13.2020 13:31		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-8 (3'-3.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-017 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9590	49.8	mg/kg	07.13.2020 13:38		10



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **AH-9 (0'-1')**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-018

Date Collected: 07.09.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 09:30

Basis: Wet Weight

Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10100	99.0	mg/kg	07.13.2020 13:44		20

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 14:55	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 14:55	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 14:55	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 14:55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	07.11.2020 14:55	
o-Terphenyl	84-15-1	117	%	70-130	07.11.2020 14:55	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-9 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-018 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 03:04	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 03:04	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	115	%	70-130	07.11.2020 03:04	
4-Bromofluorobenzene	460-00-4	96	%	70-130	07.11.2020 03:04	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-9 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-019 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6570	49.6	mg/kg	07.13.2020 13:50		10



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-10 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-020 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 09:30 Basis: Wet Weight
 Seq Number: 3131494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6760	50.3	mg/kg	07.13.2020 13:57		10

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 15:14	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 15:14	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 15:14	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 15:14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	112	%	70-130	07.11.2020 15:14	
o-Terphenyl	84-15-1	119	%	70-130	07.11.2020 15:14	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-10 (0'-1')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-020 Date Collected: 07.09.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	07.11.2020 03:25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.11.2020 03:25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.11.2020 03:25	
4-Bromofluorobenzene	460-00-4	102	%	70-130	07.11.2020 03:25	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **AH-10 (1'-1.5')** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-021 Date Collected: 07.09.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7670	49.6	mg/kg	07.13.2020 10:42		10



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-1 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-022

Date Collected: 07.10.2020 00:00

Analytical Method: Inorganic Anions by EPA 300/300.1

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.13.2020 10:10

Basis: Wet Weight

Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.7	5.00	mg/kg	07.13.2020 10:27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: SW8015P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 15:52	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 15:52	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 15:52	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 15:52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	07.11.2020 15:52	
o-Terphenyl	84-15-1	118	%	70-130	07.11.2020 15:52	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-1 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-022

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.11.2020 04:27	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.11.2020 04:27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.11.2020 04:27		
1,4-Difluorobenzene	540-36-3	110	%	70-130	07.11.2020 04:27		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-2 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-023 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14.5	4.99	mg/kg	07.13.2020 10:47		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 16:11	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 16:11	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 16:11	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 16:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	07.11.2020 16:11	
o-Terphenyl	84-15-1	105	%	70-130	07.11.2020 16:11	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-2 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-023

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 04:47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 04:47	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113	%	70-130	07.11.2020 04:47	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.11.2020 04:47	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-3 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-024 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.91	5.00	mg/kg	07.13.2020 10:52		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.8	49.8	mg/kg	07.11.2020 16:30	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.8	49.8	mg/kg	07.11.2020 16:30	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.8	49.8	mg/kg	07.11.2020 16:30	U	1
Total TPH	PHC635	<49.8	49.8	mg/kg	07.11.2020 16:30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	101	%	70-130	07.11.2020 16:30	
o-Terphenyl	84-15-1	100	%	70-130	07.11.2020 16:30	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-3 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-024

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.11.2020 05:08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.11.2020 05:08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	110	%	70-130	07.11.2020 05:08	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.11.2020 05:08	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-4 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-025 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.75	5.00	mg/kg	07.13.2020 10:57		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 16:49	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 16:49	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 16:49	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 16:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-130	07.11.2020 16:49	
o-Terphenyl	84-15-1	107	%	70-130	07.11.2020 16:49	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-4 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-025

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 05:28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 05:28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	114	%	70-130	07.11.2020 05:28	
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.11.2020 05:28	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-5 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-026 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.02	5.00	mg/kg	07.13.2020 11:12		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.12.2020 08:46	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.12.2020 08:46	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.12.2020 08:46	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.12.2020 08:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	115	%	70-130	07.12.2020 08:46	
o-Terphenyl	84-15-1	118	%	70-130	07.12.2020 08:46	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-5 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-026 Date Collected: 07.10.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	07.11.2020 05:49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 05:49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	115	%	70-130	07.11.2020 05:49	
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.11.2020 05:49	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-6 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-027 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.40	5.02	mg/kg	07.13.2020 11:17		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 17:27	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 17:27	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 17:27	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 17:27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	07.11.2020 17:27	
o-Terphenyl	84-15-1	105	%	70-130	07.11.2020 17:27	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-6 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-027 Date Collected: 07.10.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	07.11.2020 06:09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	07.11.2020 06:09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	07.11.2020 06:09	
4-Bromofluorobenzene	460-00-4	113	%	70-130	07.11.2020 06:09	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-7 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-028 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.8	4.98	mg/kg	07.13.2020 11:22		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 17:46	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 17:46	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 17:46	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 17:46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-130	07.11.2020 17:46	
o-Terphenyl	84-15-1	101	%	70-130	07.11.2020 17:46	



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Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-7 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-028

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.11.2020 06:30	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.11.2020 06:30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	07.11.2020 06:30		
1,4-Difluorobenzene	540-36-3	106	%	70-130	07.11.2020 06:30		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-8 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-029 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	13.9	4.95	mg/kg	07.13.2020 11:27		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 18:05	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 18:05	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 18:05	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 18:05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	102	%	70-130	07.11.2020 18:05	
o-Terphenyl	84-15-1	103	%	70-130	07.11.2020 18:05	



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Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX

EOG Osprey Lay Flat

Sample Id: **H-8 (0'-6")**

Matrix: Soil

Date Received: 07.10.2020 13:09

Lab Sample Id: 666874-029

Date Collected: 07.10.2020 00:00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5035A

Tech: AMF

% Moisture:

Analyst: AMF

Date Prep: 07.10.2020 17:00

Basis: Wet Weight

Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 06:50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 06:50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	108	%	70-130	07.11.2020 06:50		
4-Bromofluorobenzene	460-00-4	112	%	70-130	07.11.2020 06:50		



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-9 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-030 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.63	5.05	mg/kg	07.13.2020 11:33		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<50.0	50.0	mg/kg	07.11.2020 18:24	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<50.0	50.0	mg/kg	07.11.2020 18:24	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<50.0	50.0	mg/kg	07.11.2020 18:24	U	1
Total TPH	PHC635	<50.0	50.0	mg/kg	07.11.2020 18:24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-130	07.11.2020 18:24	
o-Terphenyl	84-15-1	107	%	70-130	07.11.2020 18:24	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-9 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-030 Date Collected: 07.10.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	07.11.2020 07:11	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1
Total BTEX		<0.00198	0.00198	mg/kg	07.11.2020 07:11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	106	%	70-130	07.11.2020 07:11	
1,4-Difluorobenzene	540-36-3	112	%	70-130	07.11.2020 07:11	



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Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-10 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-031 Date Collected: 07.10.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: CHE % Moisture:
 Analyst: CHE Date Prep: 07.13.2020 10:10 Basis: Wet Weight
 Seq Number: 3131497

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9.69	5.05	mg/kg	07.13.2020 11:38		1

Analytical Method: TPH By SW8015 Mod Prep Method: SW8015P
 Tech: DVM % Moisture:
 Analyst: ARM Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<49.9	49.9	mg/kg	07.11.2020 18:43	UF	1
Diesel Range Organics (DRO)	C10C28DRO	<49.9	49.9	mg/kg	07.11.2020 18:43	UF	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<49.9	49.9	mg/kg	07.11.2020 18:43	U	1
Total TPH	PHC635	<49.9	49.9	mg/kg	07.11.2020 18:43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	110	%	70-130	07.11.2020 18:43	
o-Terphenyl	84-15-1	111	%	70-130	07.11.2020 18:43	



Certificate of Analytical Results 666874

Tetra Tech- Midland, Midland, TX EOG Osprey Lay Flat

Sample Id: **H-10 (0'-6")** Matrix: Soil Date Received: 07.10.2020 13:09
 Lab Sample Id: 666874-031 Date Collected: 07.10.2020 00:00
 Analytical Method: BTEX by EPA 8021B Prep Method: SW5035A
 Tech: AMF % Moisture:
 Analyst: AMF Date Prep: 07.10.2020 17:00 Basis: Wet Weight
 Seq Number: 3131351

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	07.11.2020 07:31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	07.11.2020 07:31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	111	%	70-130	07.11.2020 07:31	
4-Bromofluorobenzene	460-00-4	118	%	70-130	07.11.2020 07:31	



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Tetra Tech- Midland
EOG Osprey Lay Flat

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131494 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7707207-1-BLK LCS Sample Id: 7707207-1-BKS Date Prep: 07.13.2020
 LCSD Sample Id: 7707207-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	243	97	243	97	90-110	0	20	mg/kg	07.13.2020 10:53	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131497 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7707208-1-BLK LCS Sample Id: 7707208-1-BKS Date Prep: 07.13.2020
 LCSD Sample Id: 7707208-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	254	102	252	101	90-110	1	20	mg/kg	07.13.2020 10:16	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131494 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 666874-011 MS Sample Id: 666874-011 S Date Prep: 07.13.2020
 MSD Sample Id: 666874-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	15.5	251	272	102	272	102	90-110	0	20	mg/kg	07.13.2020 11:12	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131494 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 666874-012 MS Sample Id: 666874-012 S Date Prep: 07.13.2020
 MSD Sample Id: 666874-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.6	250	272	104	272	104	90-110	0	20	mg/kg	07.13.2020 12:41	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131497 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 666874-022 MS Sample Id: 666874-022 S Date Prep: 07.13.2020
 MSD Sample Id: 666874-022 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.7	250	276	105	279	107	90-110	1	20	mg/kg	07.13.2020 10:32	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3131497 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 666874-031 MS Sample Id: 666874-031 S Date Prep: 07.13.2020
 MSD Sample Id: 666874-031 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.69	253	282	108	285	109	90-110	1	20	mg/kg	07.13.2020 11:43	

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Xenco

Tetra Tech- Midland
EOG Osprey Lay Flat

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131437

MB Sample Id: 7707184-1-BLK

Matrix: Solid

LCS Sample Id: 7707184-1-BKS

Prep Method: SW8015P

Date Prep: 07.10.2020

LCSD Sample Id: 7707184-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	834	83	1070	107	70-130	25	20	mg/kg	07.11.2020 10:27	F
Diesel Range Organics (DRO)	<50.0	1000	858	86	1110	111	70-130	26	20	mg/kg	07.11.2020 10:27	F

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	109		124		123		70-130	%	07.11.2020 10:27
o-Terphenyl	119		122		83		70-130	%	07.11.2020 10:27

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131437

MB Sample Id: 7707184-1-BLK

Matrix: Solid

MB Sample Id: 7707184-1-BLK

Prep Method: SW8015P

Date Prep: 07.10.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	07.11.2020 10:08	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3131437

Parent Sample Id: 666874-001

Matrix: Soil

MS Sample Id: 666874-001 S

Prep Method: SW8015P

Date Prep: 07.10.2020

MSD Sample Id: 666874-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	885	89	877	88	70-130	1	20	mg/kg	07.11.2020 11:24	
Diesel Range Organics (DRO)	<50.0	999	898	90	897	90	70-130	0	20	mg/kg	07.11.2020 11:24	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		129		70-130	%	07.11.2020 11:24
o-Terphenyl	126		127		70-130	%	07.11.2020 11:24

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131351

MB Sample Id: 7707155-1-BLK

Matrix: Solid

LCS Sample Id: 7707155-1-BKS

Prep Method: SW5035A

Date Prep: 07.10.2020

LCSD Sample Id: 7707155-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.107	107	0.114	114	70-130	6	35	mg/kg	07.10.2020 22:16	
Toluene	<0.00200	0.100	0.0934	93	0.0949	95	70-130	2	35	mg/kg	07.10.2020 22:16	
Ethylbenzene	<0.00200	0.100	0.0875	88	0.0876	88	70-130	0	35	mg/kg	07.10.2020 22:16	
m,p-Xylenes	<0.00400	0.200	0.167	84	0.165	83	70-130	1	35	mg/kg	07.10.2020 22:16	
o-Xylene	<0.00200	0.100	0.0846	85	0.0842	84	70-130	0	35	mg/kg	07.10.2020 22:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		100		104		70-130	%	07.10.2020 22:16
4-Bromofluorobenzene	85		84		84		70-130	%	07.10.2020 22:16

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Xenco

Tetra Tech- Midland
EOG Osprey Lay Flat

Analytical Method: BTEX by EPA 8021B

Seq Number: 3131351

Parent Sample Id: 666874-001

Matrix: Soil

MS Sample Id: 666874-001 S

Prep Method: SW5035A

Date Prep: 07.10.2020

MSD Sample Id: 666874-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.111	111	0.101	101	70-130	9	35	mg/kg	07.10.2020 22:58	
Toluene	<0.00201	0.100	0.0879	88	0.0832	84	70-130	5	35	mg/kg	07.10.2020 22:58	
Ethylbenzene	<0.00201	0.100	0.0800	80	0.0754	76	70-130	6	35	mg/kg	07.10.2020 22:58	
m,p-Xylenes	<0.00402	0.201	0.150	75	0.142	71	70-130	5	35	mg/kg	07.10.2020 22:58	
o-Xylene	<0.00201	0.100	0.0755	76	0.0717	72	70-130	5	35	mg/kg	07.10.2020 22:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		104		70-130	%	07.10.2020 22:58
4-Bromofluorobenzene	88		89		70-130	%	07.10.2020 22:58

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

WPP8714

Analysis Request of Custody Record

Client Name: EOG **Site Manager:** Mike Carmona

Project Name: Osprey Lay Flat

Project Location: Lea County, NM **Project #:** Pending

Invoice to: EOG - Galen Kelley

Receiving Laboratory: Xenco **Sampler Signature:** Carlos Tomlinson

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE
AH-1 (0-1')			7/9/2020		X			X		1	N
AH-1 (1-1.5')			7/9/2020		X			X		1	N
AH-2 (0-1')			7/9/2020		X			X		1	N
AH-2 (1-1.5')			7/9/2020		X			X		1	N
AH-3 (0-1')			7/9/2020		X			X		1	N
AH-3 (1-1.5')			7/9/2020		X			X		1	N
AH-4 (0-1')			7/9/2020		X			X		1	N
AH-4 (1-1.5')			7/9/2020		X			X		1	N
AH-4 (2-2.5')			7/9/2020		X			X		1	N
AH-5 (0-1')			7/9/2020		X			X		1	N

Relinquished by: *[Signature]* **Date:** 7/10/20 **Time:** 1309

Received by: *[Signature]* **Date:** 7/10 **Time:** 1509

Relinquished by: **Date:** **Time:**

Received by: **Date:** **Time:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

TPH 8015R

Hold

LAB USE ONLY

Sample Temperature: 15/11

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

REMARKS:

STANDARD

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-9946

WJ08714

Client Name: EOG Site Manager: Mike Carmona
 Project Name: Osprey Lay Flat
 Project Location: Lea County, NM Project #: Pending
 Invoice to: EOG - Galen Kelley
 Receiving Laboratory: Xenco Sampler Signature: Carlos Tomlinson
 Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None			
AH-6 (0-1')		7/9/2020		X				X			1	N
AH-7 (0-1')		7/9/2020		X				X			1	N
AH-7 (1-1.5')		7/9/2020		X				X			1	N
AH-8 (0-1')		7/9/2020		X				X			1	N
AH-8 (1-1.5')		7/9/2020		X				X			1	N
AH-8 (2-2.5')		7/9/2020		X				X			1	N
AH-8 (3-3.5')		7/9/2020		X				X			1	N
AH-9 (0-1')		7/9/2020		X				X			1	N
AH-9 (1-1.5')		7/9/2020		X				X			1	N
AH-10 (0-1')		7/9/2020		X				X			1	N

Relinquished by: *[Signature]* Date: 7/10/20 Time: 1329
 Received by: *[Signature]* Date: 7/10 Time: 1309

ANALYSIS REQUEST
 (Circle or Specify Method No.)

LAB USE ONLY	REMARKS:
<input type="checkbox"/> STANDARD	
<input checked="" type="checkbox"/> RUSH: Same Day 24 hr 48 hr 2h	
<input type="checkbox"/> Push Charges Authorized	
<input type="checkbox"/> Special Report Limits or TRRP Report	

Sample Temperature: 15/11.1

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

W040874

Client Name: EOG **Site Manager:** Mike Carrona

Project Name: Osprey Lay Flat

Project Location: Lea County, NM **Project #:** Pending

Invoice to: EOG - Galen Kelley

Receiving Laboratory: Xenco **Sampler Signature:** Carlos Tomlinson

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME		WATER	SOIL	HCL	HNO ₃			ICE
AH-10	(1'-1.5')	7/9/2020		X						1	N
H-1	(0-6")	7/10/2020		X						1	N
H-2	(0-6")	7/10/2020		X						1	N
H-3	(0-6")	7/10/2020		X						1	N
H-4	(0-6")	7/10/2020		X						1	N
H-5	(0-6")	7/10/2020		X						1	N
H-6	(0-6")	7/10/2020		X						1	N
H-7	(0-6")	7/10/2020		X						1	N
H-8	(0-6")	7/10/2020		X						1	N
H-9	(0-6")	7/10/2020		X						1	N

Relinquished by: *[Signature]* **Date:** 7/10/20 **Time:** 1309

Received by: *[Signature]* **Date:** 7/10 **Time:** 1309

ANALYSIS REQUEST

(Circle or Specify Method No.)

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

LAB USE ONLY	REMARKS:
<input checked="" type="checkbox"/>	BTEX 8021B BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input checked="" type="checkbox"/>	PAH 8270C
<input checked="" type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles
<input checked="" type="checkbox"/>	RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624
<input checked="" type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608
<input checked="" type="checkbox"/>	NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride
<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)
<input checked="" type="checkbox"/>	Anion/Cation Balance
<input checked="" type="checkbox"/>	TPH 8015R
<input checked="" type="checkbox"/>	Hold

ORIGINAL COPY

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 07.10.2020 01.09.00 PM

Work Order #: 666874

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	1.1	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?	Yes	
#6*Custody Seals Signed and dated?	N/A	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	No	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	BTEX was in bulk container
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	N/A	
#18 Water VOC samples have zero headspace?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Brianna Teel

Date: 07.10.2020

Checklist reviewed by:

Date: 07.10.2020



Analytical Report 667904

for

Tetra Tech- Midland

Project Manager: Mike Carmona

Osprey Lay Flat

212C-MD-02249

07.23.2020

Collected By: Client

**1089 N Canal Street
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-001	667904-002	667904-003	667904-004	667904-005	667904-006
	<i>Field Id:</i>	T-1 (0-1')	T-1 (1')	T-1 (2')	T-1 (3')	T-1 (4')	T-1 (5')
	<i>Depth:</i>	0-1 ft	1- ft	2- ft	3- ft	4- ft	5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 15:00
	<i>Analyzed:</i>	07.22.2020 19:32	07.22.2020 19:38	07.22.2020 19:54	07.22.2020 20:00	07.22.2020 20:05	07.22.2020 20:11
	<i>Units/RL:</i>	mg/kg RL					
Chloride		2700 100	461 10.0	7900 99.4	3120 99.6	93.7 10.0	76.6 10.0

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-007	667904-008	667904-009	667904-010	667904-011	667904-012
	<i>Field Id:</i>	T-2 (0-1')	T-2 (1')	T-2 (2')	T-2 (3')	T-2 (4')	T-2 (5')
	<i>Depth:</i>	0-1 ft	1- ft	2- ft	3- ft	4- ft	5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 15:00	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56
	<i>Analyzed:</i>	07.22.2020 20:17	07.22.2020 20:22	07.22.2020 20:28	07.22.2020 21:01	07.22.2020 21:18	07.22.2020 21:24
	<i>Units/RL:</i>	mg/kg RL					
Chloride		1290 50.3	76.7 9.98	1650 50.1	8780 200	10200 201	8140 199

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-013	667904-014	667904-015	667904-016	667904-017	667904-018
	<i>Field Id:</i>	T-2 (6')	T-2 (7')	T-3 (0-1')	T-3 (1')	T-3 (2')	T-3 (3')
	<i>Depth:</i>	6- ft	7- ft	0-1 ft	1- ft	2- ft	3- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56
	<i>Analyzed:</i>	07.22.2020 21:29	07.22.2020 21:35	07.22.2020 21:40	07.22.2020 21:57	07.22.2020 22:03	07.22.2020 22:08
	<i>Units/RL:</i>	mg/kg RL					
Chloride		337 9.88	188 10.0	3360 99.2	5020 100	7490 99.6	6910 100

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-019	667904-020	667904-021	667904-022	667904-023	667904-024
	<i>Field Id:</i>	T-3 (4')	T-3 (5')	T-4 (0-1')	T-4 (1')	T-4 (2')	T-4 (3')
	<i>Depth:</i>	4- ft	5- ft	0-1 ft	1- ft	2- ft	3- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56
	<i>Analyzed:</i>	07.22.2020 22:14	07.22.2020 22:19	07.22.2020 22:36	07.22.2020 22:42	07.22.2020 22:59	07.22.2020 23:04
	<i>Units/RL:</i>	mg/kg RL					
Chloride		183 10.0	584 10.0	4400 100	5910 101	15900 201	15900 200

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-025	667904-026	667904-027	667904-028	667904-029	667904-030
	<i>Field Id:</i>	T-4 (4')	T-4 (5')	T-4 (6')	T-4 (7')	T-5 (0-1')	T-5 (1')
	<i>Depth:</i>	4- ft	5- ft	6- ft	7- ft	0-1 ft	1- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:56	07.22.2020 16:59
	<i>Analyzed:</i>	07.22.2020 23:10	07.22.2020 23:15	07.22.2020 23:21	07.22.2020 23:26	07.22.2020 23:32	07.23.2020 00:05
	<i>Units/RL:</i>	mg/kg RL					
Chloride		1200 49.7	12600 199	103 9.94	121 9.96	1470 50.0	9790 198

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-031	667904-032	667904-033	667904-034	667904-035	667904-036
	<i>Field Id:</i>	T-5 (2')	T-5 (3')	T-5 (4')	T-5 (5')	T-6 (0-1')	T-6 (1')
	<i>Depth:</i>	2- ft	3- ft	4- ft	5- ft	0-1 ft	1- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59
	<i>Analyzed:</i>	07.23.2020 00:22	07.23.2020 00:28	07.23.2020 00:33	07.23.2020 00:39	07.23.2020 00:44	07.23.2020 01:01
	<i>Units/RL:</i>	mg/kg RL					
Chloride		6400 99.8	7530 101	378 9.92	233 9.98	195 10.1	103 10.1

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Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-037	667904-038	667904-039	667904-040	667904-041	667904-042
	<i>Field Id:</i>	T-6 (2')	T-6 (3')	T-6 (4')	T-6 (5')	T-6 (6')	T-6 (7')
	<i>Depth:</i>	2- ft	3- ft	4- ft	5- ft	6- ft	7- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59
	<i>Analyzed:</i>	07.23.2020 01:07	07.23.2020 01:12	07.23.2020 01:18	07.23.2020 01:24	07.23.2020 01:40	07.23.2020 01:46
	<i>Units/RL:</i>	mg/kg RL					
Chloride		400 10.0	1930 49.8	5520 99.4	12300 199	9780 200	10400 201

BRL - Below Reporting Limit

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Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-043	667904-044	667904-045	667904-046	667904-047	667904-048
	<i>Field Id:</i>	T-6 (8')	T-6 (9')	T-6 (10')	T-7 (0-1')	T-7 (1')	T-7 (2')
	<i>Depth:</i>	8- ft	9- ft	10- ft	0-1 ft	1- ft	2- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59	07.22.2020 16:59
	<i>Analyzed:</i>	07.23.2020 02:03	07.23.2020 02:08	07.23.2020 02:14	07.23.2020 02:19	07.23.2020 02:25	07.23.2020 02:30
	<i>Units/RL:</i>	mg/kg RL					
Chloride		9480 202	10200 202	4970 101	3160 100	6350 100	4790 99.4

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Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-049		667904-050		667904-051		667904-052		667904-053		667904-054	
	<i>Field Id:</i>	T-7 (3')		T-7 (4')		T-7 (5')		T-7 (6')		T-7 (7')		T-8 (0-1')	
	<i>Depth:</i>	3- ft		4- ft		5- ft		6- ft		7- ft		0-1 ft	
	<i>Matrix:</i>	SOIL		SOIL		SOIL		SOIL		SOIL		SOIL	
	<i>Sampled:</i>	07.21.2020 00:00		07.21.2020 00:00		07.21.2020 00:00		07.21.2020 00:00		07.21.2020 00:00		07.21.2020 00:00	
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 16:59		07.22.2020 17:54		07.22.2020 17:54		07.22.2020 17:54		07.22.2020 17:54		07.22.2020 17:54	
	<i>Analyzed:</i>	07.23.2020 02:36		07.23.2020 03:10		07.23.2020 03:26		07.23.2020 03:32		07.23.2020 03:37		07.23.2020 03:43	
	<i>Units/RL:</i>	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		5870	100	7470	99.6	1490	50.2	669	10.0	251	10.0	12200	200

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Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-055	667904-056	667904-057	667904-058	667904-059	667904-060
	<i>Field Id:</i>	T-8 (1')	T-8 (2')	T-8 (3')	T-8 (4')	T-8 (5')	T-8 (6')
	<i>Depth:</i>	1- ft	2- ft	3- ft	4- ft	5- ft	6- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00	07.21.2020 00:00
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 17:54	07.22.2020 17:54	07.22.2020 17:54	07.22.2020 17:54	07.22.2020 17:54	07.22.2020 17:54
	<i>Analyzed:</i>	07.23.2020 03:49	07.23.2020 04:05	07.23.2020 04:11	07.23.2020 04:17	07.23.2020 04:22	07.23.2020 04:28
	<i>Units/RL:</i>	mg/kg RL					
Chloride		6570 99.8	7650 100	8450 199	8080 198	1370 49.8	129 9.98

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Jessica Kramer



Certificate of Analysis Summary 667904

Tetra Tech- Midland, Midland, TX

Project Name: Osprey Lay Flat

Project Id: 212C-MD-02249
Contact: Mike Carmona
Project Location: Lea County, NM

Date Received in Lab: Wed 07.22.2020 11:58
Report Date: 07.23.2020 16:15
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	667904-061				
	<i>Field Id:</i>	T-8 (7')				
	<i>Depth:</i>	7- ft				
	<i>Matrix:</i>	SOIL				
	<i>Sampled:</i>	07.21.2020 00:00				
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	07.22.2020 17:54				
	<i>Analyzed:</i>	07.23.2020 04:44				
	<i>Units/RL:</i>	mg/kg RL				
Chloride		143 10.0				

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Jessica Kramer



07.23.2020

Project Manager: **Mike Carmona**
Tetra Tech- Midland
901 West Wall ST
Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **667904**
Osprey Lay Flat
Project Address: Lea County, NM

Mike Carmona:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 667904. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 667904 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer
Project Manager

A Small Business and Minority Company

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Sample Cross Reference 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
T-1 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-001
T-1 (1')	S	07.21.2020 00:00	1 ft	667904-002
T-1 (2')	S	07.21.2020 00:00	2 ft	667904-003
T-1 (3')	S	07.21.2020 00:00	3 ft	667904-004
T-1 (4')	S	07.21.2020 00:00	4 ft	667904-005
T-1 (5')	S	07.21.2020 00:00	5 ft	667904-006
T-2 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-007
T-2 (1')	S	07.21.2020 00:00	1 ft	667904-008
T-2 (2')	S	07.21.2020 00:00	2 ft	667904-009
T-2 (3')	S	07.21.2020 00:00	3 ft	667904-010
T-2 (4')	S	07.21.2020 00:00	4 ft	667904-011
T-2 (5')	S	07.21.2020 00:00	5 ft	667904-012
T-2 (6')	S	07.21.2020 00:00	6 ft	667904-013
T-2 (7')	S	07.21.2020 00:00	7 ft	667904-014
T-3 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-015
T-3 (1')	S	07.21.2020 00:00	1 ft	667904-016
T-3 (2')	S	07.21.2020 00:00	2 ft	667904-017
T-3 (3')	S	07.21.2020 00:00	3 ft	667904-018
T-3 (4')	S	07.21.2020 00:00	4 ft	667904-019
T-3 (5')	S	07.21.2020 00:00	5 ft	667904-020
T-4 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-021
T-4 (1')	S	07.21.2020 00:00	1 ft	667904-022
T-4 (2')	S	07.21.2020 00:00	2 ft	667904-023
T-4 (3')	S	07.21.2020 00:00	3 ft	667904-024
T-4 (4')	S	07.21.2020 00:00	4 ft	667904-025
T-4 (5')	S	07.21.2020 00:00	5 ft	667904-026
T-4 (6')	S	07.21.2020 00:00	6 ft	667904-027
T-4 (7')	S	07.21.2020 00:00	7 ft	667904-028
T-5 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-029
T-5 (1')	S	07.21.2020 00:00	1 ft	667904-030
T-5 (2')	S	07.21.2020 00:00	2 ft	667904-031
T-5 (3')	S	07.21.2020 00:00	3 ft	667904-032
T-5 (4')	S	07.21.2020 00:00	4 ft	667904-033
T-5 (5')	S	07.21.2020 00:00	5 ft	667904-034
T-6 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-035
T-6 (1')	S	07.21.2020 00:00	1 ft	667904-036
T-6 (2')	S	07.21.2020 00:00	2 ft	667904-037
T-6 (3')	S	07.21.2020 00:00	3 ft	667904-038
T-6 (4')	S	07.21.2020 00:00	4 ft	667904-039
T-6 (5')	S	07.21.2020 00:00	5 ft	667904-040
T-6 (6')	S	07.21.2020 00:00	6 ft	667904-041
T-6 (7')	S	07.21.2020 00:00	7 ft	667904-042
T-6 (8')	S	07.21.2020 00:00	8 ft	667904-043



Sample Cross Reference 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

T-6 (9')	S	07.21.2020 00:00	9 ft	667904-044
T-6 (10')	S	07.21.2020 00:00	10 ft	667904-045
T-7 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-046
T-7 (1')	S	07.21.2020 00:00	1 ft	667904-047
T-7 (2')	S	07.21.2020 00:00	2 ft	667904-048
T-7 (3')	S	07.21.2020 00:00	3 ft	667904-049
T-7 (4')	S	07.21.2020 00:00	4 ft	667904-050
T-7 (5')	S	07.21.2020 00:00	5 ft	667904-051
T-7 (6')	S	07.21.2020 00:00	6 ft	667904-052
T-7 (7')	S	07.21.2020 00:00	7 ft	667904-053
T-8 (0-1')	S	07.21.2020 00:00	0 - 1 ft	667904-054
T-8 (1')	S	07.21.2020 00:00	1 ft	667904-055
T-8 (2')	S	07.21.2020 00:00	2 ft	667904-056
T-8 (3')	S	07.21.2020 00:00	3 ft	667904-057
T-8 (4')	S	07.21.2020 00:00	4 ft	667904-058
T-8 (5')	S	07.21.2020 00:00	5 ft	667904-059
T-8 (6')	S	07.21.2020 00:00	6 ft	667904-060
T-8 (7')	S	07.21.2020 00:00	7 ft	667904-061



CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: Osprey Lay Flat

Project ID: 212C-MD-02249
Work Order Number(s): 667904

Report Date: 07.23.2020
Date Received: 07.22.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX Osprey Lay Flat

Sample Id: T-1 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-001	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2700	100	mg/kg	07.22.2020 19:32		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-1 (1')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-002 Date Collected: 07.21.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 15:00 Basis: Wet Weight
 Seq Number: 3132391

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	461	10.0	mg/kg	07.22.2020 19:38		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-1 (2')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-003	Date Collected: 07.21.2020 00:00	Sample Depth: 2 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7900	99.4	mg/kg	07.22.2020 19:54		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-1 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-004	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3120	99.6	mg/kg	07.22.2020 20:00		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-1 (4')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-005 Date Collected: 07.21.2020 00:00 Sample Depth: 4 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 15:00 Basis: Wet Weight
 Seq Number: 3132391

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	93.7	10.0	mg/kg	07.22.2020 20:05		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-1 (S')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-006 Date Collected: 07.21.2020 00:00 Sample Depth: 5 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 15:00 Basis: Wet Weight
 Seq Number: 3132391

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	76.6	10.0	mg/kg	07.22.2020 20:11		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-2 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-007	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1290	50.3	mg/kg	07.22.2020 20:17		5



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-2 (1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-008	Date Collected: 07.21.2020 00:00	Sample Depth: 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	76.7	9.98	mg/kg	07.22.2020 20:22		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-2 (2')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-009	Date Collected: 07.21.2020 00:00	Sample Depth: 2 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 15:00	Basis: Wet Weight
Seq Number: 3132391		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1650	50.1	mg/kg	07.22.2020 20:28		5



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-2 (3')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-010 Date Collected: 07.21.2020 00:00 Sample Depth: 3 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8780	200	mg/kg	07.22.2020 21:01		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-2 (4')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-011	Date Collected: 07.21.2020 00:00	Sample Depth: 4 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10200	201	mg/kg	07.22.2020 21:18		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-2 (5')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-012 Date Collected: 07.21.2020 00:00 Sample Depth: 5 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8140	199	mg/kg	07.22.2020 21:24		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-2 (6')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-013 Date Collected: 07.21.2020 00:00 Sample Depth: 6 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	337	9.88	mg/kg	07.22.2020 21:29		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-2 (7')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-014	Date Collected: 07.21.2020 00:00	Sample Depth: 7 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	188	10.0	mg/kg	07.22.2020 21:35		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-3 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-015	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3360	99.2	mg/kg	07.22.2020 21:40		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-3 (1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-016	Date Collected: 07.21.2020 00:00	Sample Depth: 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5020	100	mg/kg	07.22.2020 21:57		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-3 (2')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-017 Date Collected: 07.21.2020 00:00 Sample Depth: 2 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7490	99.6	mg/kg	07.22.2020 22:03		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-3 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-018	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6910	100	mg/kg	07.22.2020 22:08		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-3 (4')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-019 Date Collected: 07.21.2020 00:00 Sample Depth: 4 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	183	10.0	mg/kg	07.22.2020 22:14		1



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Tetra Tech- Midland, Midland, TX Osprey Lay Flat

Sample Id: T-3 (5')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-020	Date Collected: 07.21.2020 00:00	Sample Depth: 5 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	584	10.0	mg/kg	07.22.2020 22:19		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-4 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-021	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4400	100	mg/kg	07.22.2020 22:36		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-4 (1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-022	Date Collected: 07.21.2020 00:00	Sample Depth: 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5910	101	mg/kg	07.22.2020 22:42		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-4 (2')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-023 Date Collected: 07.21.2020 00:00 Sample Depth: 2 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15900	201	mg/kg	07.22.2020 22:59		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-4 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-024	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15900	200	mg/kg	07.22.2020 23:04		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-4 (4')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-025	Date Collected: 07.21.2020 00:00	Sample Depth: 4 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1200	49.7	mg/kg	07.22.2020 23:10		5



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-4 (S')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-026 Date Collected: 07.21.2020 00:00 Sample Depth: 5 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12600	199	mg/kg	07.22.2020 23:15		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-4 (6')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-027	Date Collected: 07.21.2020 00:00	Sample Depth: 6 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:56	Basis: Wet Weight
Seq Number: 3132393		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	103	9.94	mg/kg	07.22.2020 23:21		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-4 (7')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-028 Date Collected: 07.21.2020 00:00 Sample Depth: 7 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	121	9.96	mg/kg	07.22.2020 23:26		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-5 (0-1')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-029 Date Collected: 07.21.2020 00:00 Sample Depth: 0 - 1 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:56 Basis: Wet Weight
 Seq Number: 3132393

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1470	50.0	mg/kg	07.22.2020 23:32		5



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-5 (1')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-030 Date Collected: 07.21.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9790	198	mg/kg	07.23.2020 00:05		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-5 (2')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-031	Date Collected: 07.21.2020 00:00	Sample Depth: 2 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6400	99.8	mg/kg	07.23.2020 00:22		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-5 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-032	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7530	101	mg/kg	07.23.2020 00:28		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-5 (4')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-033	Date Collected: 07.21.2020 00:00	Sample Depth: 4 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	378	9.92	mg/kg	07.23.2020 00:33		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-5 (S')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-034	Date Collected: 07.21.2020 00:00	Sample Depth: 5 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	233	9.98	mg/kg	07.23.2020 00:39		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-6 (0-1')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-035 Date Collected: 07.21.2020 00:00 Sample Depth: 0 - 1 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	195	10.1	mg/kg	07.23.2020 00:44		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-6 (1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-036	Date Collected: 07.21.2020 00:00	Sample Depth: 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	103	10.1	mg/kg	07.23.2020 01:01		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-6 (2')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-037 Date Collected: 07.21.2020 00:00 Sample Depth: 2 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	400	10.0	mg/kg	07.23.2020 01:07		1



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-6 (3')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-038 Date Collected: 07.21.2020 00:00 Sample Depth: 3 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1930	49.8	mg/kg	07.23.2020 01:12		5



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-6 (4')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-039 Date Collected: 07.21.2020 00:00 Sample Depth: 4 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5520	99.4	mg/kg	07.23.2020 01:18		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-6 (5')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-040	Date Collected: 07.21.2020 00:00	Sample Depth: 5 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12300	199	mg/kg	07.23.2020 01:24		20



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Tetra Tech- Midland, Midland, TX Osprey Lay Flat

Sample Id: T-6 (6')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-041	Date Collected: 07.21.2020 00:00	Sample Depth: 6 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9780	200	mg/kg	07.23.2020 01:40		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-6 (7')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-042	Date Collected: 07.21.2020 00:00	Sample Depth: 7 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10400	201	mg/kg	07.23.2020 01:46		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-6 (8')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-043 Date Collected: 07.21.2020 00:00 Sample Depth: 8 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 16:59 Basis: Wet Weight
 Seq Number: 3132395

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9480	202	mg/kg	07.23.2020 02:03		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-6 (9')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-044	Date Collected: 07.21.2020 00:00	Sample Depth: 9 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10200	202	mg/kg	07.23.2020 02:08		20



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-6 (10')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-045	Date Collected: 07.21.2020 00:00	Sample Depth: 10 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4970	101	mg/kg	07.23.2020 02:14		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-7 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-046	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3160	100	mg/kg	07.23.2020 02:19		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-7 (1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-047	Date Collected: 07.21.2020 00:00	Sample Depth: 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6350	100	mg/kg	07.23.2020 02:25		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-7 (2')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-048	Date Collected: 07.21.2020 00:00	Sample Depth: 2 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4790	99.4	mg/kg	07.23.2020 02:30		10



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Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-7 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-049	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 16:59	Basis: Wet Weight
Seq Number: 3132395		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5870	100	mg/kg	07.23.2020 02:36		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX Osprey Lay Flat

Sample Id: T-7 (4')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-050	Date Collected: 07.21.2020 00:00	Sample Depth: 4 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7470	99.6	mg/kg	07.23.2020 03:10		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-7 (S')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-051	Date Collected: 07.21.2020 00:00	Sample Depth: 5 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1490	50.2	mg/kg	07.23.2020 03:26		5



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-7 (6')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-052 Date Collected: 07.21.2020 00:00 Sample Depth: 6 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	669	10.0	mg/kg	07.23.2020 03:32		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-7 (7')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-053 Date Collected: 07.21.2020 00:00 Sample Depth: 7 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	251	10.0	mg/kg	07.23.2020 03:37		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-8 (0-1')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-054	Date Collected: 07.21.2020 00:00	Sample Depth: 0 - 1 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12200	200	mg/kg	07.23.2020 03:43		20



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX Osprey Lay Flat

Sample Id: **T-8 (1')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-055 Date Collected: 07.21.2020 00:00 Sample Depth: 1 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6570	99.8	mg/kg	07.23.2020 03:49		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-8 (2')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-056 Date Collected: 07.21.2020 00:00 Sample Depth: 2 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7650	100	mg/kg	07.23.2020 04:05		10



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-8 (3')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-057	Date Collected: 07.21.2020 00:00	Sample Depth: 3 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8450	199	mg/kg	07.23.2020 04:11		20



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-8 (4')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-058	Date Collected: 07.21.2020 00:00	Sample Depth: 4 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8080	198	mg/kg	07.23.2020 04:17		20



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: T-8 (5')	Matrix: Soil	Date Received: 07.22.2020 11:58
Lab Sample Id: 667904-059	Date Collected: 07.21.2020 00:00	Sample Depth: 5 ft
Analytical Method: Inorganic Anions by EPA 300/300.1		Prep Method: E300P
Tech: MAB		% Moisture:
Analyst: MAB	Date Prep: 07.22.2020 17:54	Basis: Wet Weight
Seq Number: 3132399		

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1370	49.8	mg/kg	07.23.2020 04:22		5



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-8 (6')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-060 Date Collected: 07.21.2020 00:00 Sample Depth: 6 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	129	9.98	mg/kg	07.23.2020 04:28		1



Certificate of Analytical Results 667904

Tetra Tech- Midland, Midland, TX

Osprey Lay Flat

Sample Id: **T-8 (7')** Matrix: Soil Date Received: 07.22.2020 11:58
 Lab Sample Id: 667904-061 Date Collected: 07.21.2020 00:00 Sample Depth: 7 ft
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: MAB % Moisture:
 Analyst: MAB Date Prep: 07.22.2020 17:54 Basis: Wet Weight
 Seq Number: 3132399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	143	10.0	mg/kg	07.23.2020 04:44		1



Tetra Tech- Midland
Osprey Lay Flat

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132391

Matrix: Solid

Prep Method: E300P

Date Prep: 07.22.2020

MB Sample Id: 7707891-1-BLK

LCS Sample Id: 7707891-1-BKS

LCSD Sample Id: 7707891-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	261	104	269	108	90-110	3	20	mg/kg	07.22.2020 17:46	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132393

Matrix: Solid

Prep Method: E300P

Date Prep: 07.22.2020

MB Sample Id: 7707892-1-BLK

LCS Sample Id: 7707892-1-BKS

LCSD Sample Id: 7707892-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	261	104	269	108	90-110	3	20	mg/kg	07.22.2020 20:50	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132395

Matrix: Solid

Prep Method: E300P

Date Prep: 07.22.2020

MB Sample Id: 7707893-1-BLK

LCS Sample Id: 7707893-1-BKS

LCSD Sample Id: 7707893-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	261	104	269	108	90-110	3	20	mg/kg	07.22.2020 23:54	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132399

Matrix: Solid

Prep Method: E300P

Date Prep: 07.22.2020

MB Sample Id: 7707895-1-BLK

LCS Sample Id: 7707895-1-BKS

LCSD Sample Id: 7707895-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<10.0	250	261	104	269	108	90-110	3	20	mg/kg	07.23.2020 02:58	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132391

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667900-001

MS Sample Id: 667900-001 S

MSD Sample Id: 667900-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	40.6	200	244	102	244	102	90-110	0	20	mg/kg	07.22.2020 18:03	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132391

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667902-007

MS Sample Id: 667902-007 S

MSD Sample Id: 667902-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	636	200	838	101	838	101	90-110	0	20	mg/kg	07.22.2020 19:21	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Tetra Tech- Midland
Osprey Lay Flat

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132393

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-010

MS Sample Id: 667904-010 S

MSD Sample Id: 667904-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8780	202	8980	99	9000	110	90-110	0	20	mg/kg	07.22.2020 21:07	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132393

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-020

MS Sample Id: 667904-020 S

MSD Sample Id: 667904-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	584	201	790	102	790	102	90-110	0	20	mg/kg	07.22.2020 22:25	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132395

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-030

MS Sample Id: 667904-030 S

MSD Sample Id: 667904-030 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9790	201	10000	104	10000	105	90-110	0	20	mg/kg	07.23.2020 00:11	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132395

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-040

MS Sample Id: 667904-040 S

MSD Sample Id: 667904-040 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12300	200	12500	100	12500	99	90-110	0	20	mg/kg	07.23.2020 01:29	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132399

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-050

MS Sample Id: 667904-050 S

MSD Sample Id: 667904-050 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	7470	201	7680	104	7670	101	90-110	0	20	mg/kg	07.23.2020 03:15	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3132399

Matrix: Soil

Prep Method: E300P

Date Prep: 07.22.2020

Parent Sample Id: 667904-060

MS Sample Id: 667904-060 S

MSD Sample Id: 667904-060 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	129	200	338	105	338	105	90-110	0	20	mg/kg	07.23.2020 04:33	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* | (C-E) / (C+E) |
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

1067904

Client Name: EOG
Site Manager: Mike Carmona
Project Name: Osprey Lay Flat
Project #: 212C-MD-02249
Project Location: Lea County, NM
Invoice to: EOG - Galen Kelley
Receiving Laboratory: Xenco
Sampler Signature: John Thurston

Received by: [Signature] Date: 7/21/2020 Time: 11:58
Received by: [Signature] Date: 7/21/2020 Time: 11:58

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
	YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None		
T-1 (0-1')		7/21/2020		X			X			1	N
T-1 (1')		7/21/2020		X			X			1	N
T-1 (2')		7/21/2020		X			X			1	N
T-1 (3')		7/21/2020		X			X			1	N
T-1 (4')		7/21/2020		X			X			1	N
T-1 (5')		7/21/2020		X			X			1	N
T-2 (0-1')		7/21/2020		X			X			1	N
T-2 (1')		7/21/2020		X			X			1	N
T-2 (2')		7/21/2020		X			X			1	N
T-2 (3')		7/21/2020		X			X			1	N

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
TPH 8015R	
Hold	

LAB USE ONLY

REMARKS:
 STANDARD
 RUSH: Same Day 24 hr 48 hr 72 hr
 Flush Charges Authorized
 Special Report Limits or TRRP Report

Sample Temperature: 0.8/0.6

FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Mike Carmona

Project Name: Osprey Lay Flat

Project Location: Lea County, NM Project #: 212C-MD-02249

Invoice to: EOG - Galen Kelley

Receiving Laboratory: Xenco Sampler Signature: John Thurston

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)		
		YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE	None
	T-2 (4)		7/21/2020		X			X		1	N	
	T-2 (5)		7/21/2020		X			X		1	N	
	T-2 (6)		7/21/2020		X			X		1	N	
	T-2 (7)		7/21/2020		X			X		1	N	
	T-3 (0-1)		7/21/2020		X			X		1	N	
	T-3 (1)		7/21/2020		X			X		1	N	
	T-3 (2)		7/21/2020		X			X		1	N	
	T-3 (3)		7/21/2020		X			X		1	N	
	T-3 (4)		7/21/2020		X			X		1	N	
	T-3 (5)		7/21/2020		X			X		1	N	

Relinquished by: [Signature] Date: 7/22/20 Time: 11:58
 Received by: [Signature] Date: 7/22/20 Time: 11:58

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B	
TPH TX1005 (Ext to C35)		
TPH 8015M (GRO - DRO - ORO - MRO)		
PAH 8270C		
Total Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Metals Ag As Ba Cd Cr Pb Se Hg		
TCLP Volatiles		
TCLP Semi Volatiles		
RCI		
GC/MS Vol. 8260B / 624		
GC/MS Semi. Vol. 8270C/625		
PCB's 8082 / 608		
NORM		
PLM (Asbestos)		
Chloride		
Chloride Sulfate TDS		
General Water Chemistry (see attached list)		
Anion/Cation Balance		
TPH 8015R		
Hold		

LAB USE ONLY
 Sample Temperature: 0.8/0.c
 REMARKS:
 STANDARD
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

wa27904

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Mike Carmona**

Project Name: **Osprey Lay Flat**

Project Location: **Lea County, NM** Project #: **212C-MD-02249**

Invoice to: **EOG - Galen Kelley**

Receiving Laboratory: **Xenco** Sampler Signature: **John Thurston**

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	
	YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
T-4 (0-1')		7/21/2020		X				X		1	N
T-4 (1')		7/21/2020		X				X		1	N
T-4 (2')		7/21/2020		X				X		1	N
T-4 (3')		7/21/2020		X				X		1	N
T-4 (4')		7/21/2020		X				X		1	N
T-4 (5')		7/21/2020		X				X		1	N
T-4 (6')		7/21/2020		X				X		1	N
T-4 (7')		7/21/2020		X				X		1	N
T-5 (0-1')		7/21/2020		X				X		1	N
T-5 (1')		7/21/2020		X				X		1	N

Relinquished by: *[Signature]* Date: **7/22/20** Time: **11:58**

Received by: *[Signature]* Date: **7/22/20** Time: **11:58**

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B	
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
TPH 8015R	
Hold	

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: **0.8/0.0**

RECEIVED BY: *[Signature]* DATE: **7/22/20** TIME: **11:58**

ORIGINAL COPY

6629904

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG

Site Manager: Mike Carrmona

Project Name: Osprey Lay Flat

Project Location: Lea County, NM

Project #: 212C-MD-02249

Invoice to: EOG - Galen Kelley

Receiving Laboratory: Xenco

Sampler Signature: John Thurston

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX					# CONTAINERS	FILTERED (Y/N)		
	DATE	TIME	YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃			ICE	None
T-6 (6')	7/21/2020					X				X		1	N
T-6 (7')	7/21/2020					X				X		1	N
T-6 (8')	7/21/2020					X				X		1	N
T-6 (9')	7/21/2020					X				X		1	N
T-6 (10')	7/21/2020					X				X		1	N
T-7 (0-1')	7/21/2020					X				X		1	N
T-7 (1')	7/21/2020					X				X		1	N
T-7 (2')	7/21/2020					X				X		1	N
T-7 (3')	7/21/2020					X				X		1	N
T-7 (4')	7/21/2020					X				X		1	N

Received by: *[Signature]* Date: 7/22/20 Time: 11:58

Received by: *[Signature]* Date: 7/22/20 Time: 11:58

Received by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

BTEX 8021B BTEX 8260B
TPH TX1005 (Ext to C35)
TPH 8015M (GRO - DRO - ORO - MRO)
PAH 8270C
Total Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Metals Ag As Ba Cd Cr Pb Se Hg
TCLP Volatiles
TCLP Semi Volatiles
RCI
GC/MS Vol. 8260B / 624
GC/MS Semi. Vol. 8270C/625
PCB's 8082 / 608
NORM
PLM (Asbestos)
Chloride
Chloride Sulfate TDS
General Water Chemistry (see attached list)
Anion/Cation Balance
TPH 8015R
Hold

LAB USE ONLY

Sample Temperature: 0.8/0.6

REMARKS:
 STANDARD
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

ORIGINAL COPY

1017904

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name:

EOG

Site Manager:

Mike Carmona

Project Name:

Osprey Lay Flat

Project Location:

Lea County, NM

Project #:

212C-MD-02249

Invoice to:

EOG - Galen Kelley

Receiving Laboratory:

Xenco

Sampler Signature:

John Thurston

Comments:

LAB #
(LAB USE ONLY)

SAMPLE IDENTIFICATION

LAB #	DATE	TIME	MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
			WATER	SOIL	HCL	HNO ₃	ICE	None		
T-7 (5)	7/21/2020		X				X		1	N
T-7 (6)	7/21/2020		X				X		1	N
T-7 (7)	7/21/2020		X				X		1	N
T-8 (0-1')	7/21/2020		X				X		1	N
T-8 (1')	7/21/2020		X				X		1	N
T-8 (2')	7/21/2020		X				X		1	N
T-8 (3')	7/21/2020		X				X		1	N
T-8 (4')	7/21/2020		X				X		1	N
T-8 (5')	7/21/2020		X				X		1	N
T-8 (6')	7/21/2020		X				X		1	N

Relinquished by: *[Signature]* Date: 7/22/20 Time: 11:58
 Received by: *[Signature]* Date: 7/22/20 Time: 11:58

Relinquished by: _____ Date: _____ Time: _____
 Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	BTEX 8260B
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO - MRO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
TPH 8015R	
Hold	

LAB USE ONLY

REMARKS: STANDARD

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: 0.8/0.6

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

2027904

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Mike Carmona

Project Name: Osprey Lay Flat

Project Location: Lea County, NM Project #: 212C-MD-02249

Invoice to: EOG - Galen Kelley

Receiving Laboratory: Xenco Sampler Signature: John Thurston

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	T-8 (7')	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE		
		7/21/2020		X			X		1	N

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
<i>[Signature]</i>	7/22/20	11:58	<i>[Signature]</i>	7/22/20	11:58
Relinquished by:	Date:	Time:	Received by:	Date:	Time:

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B
<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)
<input type="checkbox"/>	PAH 8270C
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg
<input type="checkbox"/>	TCLP Volatiles
<input type="checkbox"/>	TCLP Semi Volatiles
<input type="checkbox"/>	RCI
<input type="checkbox"/>	GC/MS Vol. 8260B / 624
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625
<input type="checkbox"/>	PCB's 8082 / 608
<input type="checkbox"/>	NORM
<input type="checkbox"/>	PLM (Asbestos)
<input checked="" type="checkbox"/>	Chloride
<input type="checkbox"/>	Chloride Sulfate TDS
<input type="checkbox"/>	General Water Chemistry (see attached list)
<input type="checkbox"/>	Anion/Cation Balance
<input type="checkbox"/>	TPH 8015R
<input type="checkbox"/>	Hold

LAB USE ONLY

Sample Temperature: 0.2/0.6

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr **72 hr**

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

667904

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 07.22.2020 11.58.00 AM

Work Order #: 667904

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient
Temperature Measuring device used : T-NM-007

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	Yes
#5 Custody Seals intact on sample bottles?	Yes
#6*Custody Seals Signed and dated?	Yes
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:


Elizabeth McClellan

Date: 07.22.2020

Checklist reviewed by:


Jessica Kramer

Date: 07.23.2020



Certificate of Analysis Summary 669894

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Layflat Leak

Project Id: 212C-MD-02249
Contact: Conner Moehring
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 08.12.2020 16:36
Report Date: 08.14.2020 15:25
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	669894-001	669894-002	669894-003	669894-004	669894-005	669894-006
	<i>Field Id:</i>	Borehole-1 0-1'	Borehole-1 2'-3'	Borehole-1 4'-5'	Borehole-1 6'-7'	Borehole-1 9'-10'	Borehole-1 14'-15'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00	08.11.2020 00:00
BTEX by EPA 8021B	<i>Extracted:</i>	08.13.2020 14:00					
	<i>Analyzed:</i>	08.14.2020 00:46					
	<i>Units/RL:</i>	mg/kg RL					
Benzene		<0.00201 0.00201					
Toluene		<0.00201 0.00201					
Ethylbenzene		<0.00201 0.00201					
m,p-Xylenes		<0.00402 0.00402					
o-Xylene		<0.00201 0.00201					
Total Xylenes		<0.00201 0.00201					
Total BTEX		<0.00201 0.00201					
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	08.13.2020 10:25	08.13.2020 10:25	08.13.2020 10:25	08.13.2020 10:25	08.13.2020 10:25	08.13.2020 10:25
	<i>Analyzed:</i>	08.13.2020 12:03	08.13.2020 12:09	08.13.2020 12:15	08.13.2020 12:34	08.13.2020 12:41	08.13.2020 12:47
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Chloride		56.7 4.98	301 4.96	5430 50.2	3140 25.2	2700 24.9	133 4.99
TPH By SW8015 Mod	<i>Extracted:</i>	08.12.2020 17:00					
	<i>Analyzed:</i>	08.13.2020 06:17					
	<i>Units/RL:</i>	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<50.0 50.0					
Diesel Range Organics (DRO)		<50.0 50.0					
Motor Oil Range Hydrocarbons (MRO)		<50.0 50.0					
Total TPH		<50.0 50.0					

BRL - Below Reporting Limit

Jessica Kramer

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Certificate of Analysis Summary 669894

Tetra Tech- Midland, Midland, TX

Project Name: EOG Osprey Layflat Leak

Project Id: 212C-MD-02249
Contact: Conner Moehring
Project Location: Lea County, New Mexico

Date Received in Lab: Wed 08.12.2020 16:36
Report Date: 08.14.2020 15:25
Project Manager: Jessica Kramer

<i>Analysis Requested</i>	<i>Lab Id:</i>	669894-007				
	<i>Field Id:</i>	Borehole-1 19'-20'				
	<i>Depth:</i>					
	<i>Matrix:</i>	SOIL				
	<i>Sampled:</i>	08.11.2020 00:00				
Inorganic Anions by EPA 300/300.1	<i>Extracted:</i>	08.13.2020 10:25				
	<i>Analyzed:</i>	08.13.2020 12:53				
	<i>Units/RL:</i>	mg/kg RL				
Chloride		109 5.00				

BRL - Below Reporting Limit

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer



Analytical Report 669894

for

Tetra Tech- Midland

Project Manager: Conner Moehring

EOG Osprey Layflat Leak

212C-MD-02249

08.14.2020

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-20-36), Arizona (AZ0765), Florida (E871002-33), Louisiana (03054)
Oklahoma (2019-058), North Carolina (681), Arkansas (20-035-0)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-20-25), Arizona (AZ0809)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-20-17)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-20-22)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-19-19)
Xenco-Carlsbad (LELAP): Louisiana (05092)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-20-7)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Tampa: Florida (E87429), North Carolina (483)



08.14.2020

Project Manager: **Conner Moehring**

Tetra Tech- Midland

901 West Wall ST

Midland, TX 79701

Reference: Eurofins Xenco, LLC Report No(s): **669894**

EOG Osprey Layflat Leak

Project Address: Lea County, New Mexico

Conner Moehring:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the Eurofins Xenco, LLC Report Number(s) 669894. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by Eurofins Xenco, LLC. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 669894 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting Eurofins Xenco, LLC to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Jessica Kramer

Project Manager

A Small Business and Minority Company

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico



Sample Cross Reference 669894

Tetra Tech- Midland, Midland, TX

EOG Osprey Layflat Leak

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Borehole-1 0-1'	S	08.11.2020 00:00		669894-001
Borehole-1 2'-3'	S	08.11.2020 00:00		669894-002
Borehole-1 4'-5'	S	08.11.2020 00:00		669894-003
Borehole-1 6'-7'	S	08.11.2020 00:00		669894-004
Borehole-1 9'-10'	S	08.11.2020 00:00		669894-005
Borehole-1 14'-15'	S	08.11.2020 00:00		669894-006
Borehole-1 19'-20'	S	08.11.2020 00:00		669894-007



CASE NARRATIVE

Client Name: Tetra Tech- Midland

Project Name: EOG Osprey Layflat Leak

Project ID: 212C-MD-02249
Work Order Number(s): 669894

Report Date: 08.14.2020
Date Received: 08.12.2020

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3134523 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Samples affected are: 7709441-1-BKS,7709441-1-BLK,7709441-1-BSD,669700-002 S,669700-002 SD,669894-001.



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 2'-3'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-002 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	301	4.96	mg/kg	08.13.2020 12:09		1



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 4'-5'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-003 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5430	50.2	mg/kg	08.13.2020 12:15		10



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 6'-7'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-004 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3140	25.2	mg/kg	08.13.2020 12:34		5



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 9'-10'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-005 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2700	24.9	mg/kg	08.13.2020 12:41		5



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 14'-15'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-006 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	133	4.99	mg/kg	08.13.2020 12:47		1



Certificate of Analytical Results 669894

Tetra Tech- Midland, Midland, TX EOG Osprey Layflat Leak

Sample Id: **Borehole-1 19'-20'** Matrix: Soil Date Received: 08.12.2020 16:36
 Lab Sample Id: 669894-007 Date Collected: 08.11.2020 00:00
 Analytical Method: Inorganic Anions by EPA 300/300.1 Prep Method: E300P
 Tech: SPC % Moisture:
 Analyst: SPC Date Prep: 08.13.2020 10:25 Basis: Wet Weight
 Seq Number: 3134516

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	5.00	mg/kg	08.13.2020 12:53		1



Tetra Tech- Midland
EOG Osprey Layflat Leak

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3134516 Matrix: Solid Prep Method: E300P
 MB Sample Id: 7709361-1-BLK LCS Sample Id: 7709361-1-BKS Date Prep: 08.13.2020
 LCSD Sample Id: 7709361-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	265	106	265	106	90-110	0	20	mg/kg	08.13.2020 11:25	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3134516 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 669779-006 MS Sample Id: 669779-006 S Date Prep: 08.13.2020
 MSD Sample Id: 669779-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.01	251	271	108	271	108	90-110	0	20	mg/kg	08.13.2020 11:44	

Analytical Method: Inorganic Anions by EPA 300/300.1

Seq Number: 3134516 Matrix: Soil Prep Method: E300P
 Parent Sample Id: 669782-002 MS Sample Id: 669782-002 S Date Prep: 08.13.2020
 MSD Sample Id: 669782-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	581	2490	3310	110	3310	110	90-110	0	20	mg/kg	08.13.2020 13:12	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134439 Matrix: Solid Prep Method: SW8015P
 MB Sample Id: 7709338-1-BLK LCS Sample Id: 7709338-1-BKS Date Prep: 08.12.2020
 LCSD Sample Id: 7709338-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	1000	997	100	939	94	70-130	6	20	mg/kg	08.12.2020 22:03	
Diesel Range Organics (DRO)	<50.0	1000	997	100	955	96	70-130	4	20	mg/kg	08.12.2020 22:03	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	120		127		121		70-130	%	08.12.2020 22:03
o-Terphenyl	116		120		115		70-130	%	08.12.2020 22:03

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134439 Matrix: Solid Prep Method: SW8015P
 MB Sample Id: 7709338-1-BLK Date Prep: 08.12.2020

Parameter	MB Result	Units	Analysis Date	Flag
Motor Oil Range Hydrocarbons (MRO)	<50.0	mg/kg	08.12.2020 21:42	

MS/MSD Percent Recovery
 Relative Percent Difference
 LCS/LCSD Recovery
 Log Difference

[D] = 100*(C-A) / B
 RPD = 200* | (C-E) / (C+E) |
 [D] = 100 * (C) / [B]
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Tetra Tech- Midland
EOG Osprey Layflat Leak

Analytical Method: TPH By SW8015 Mod

Seq Number: 3134439

Parent Sample Id: 669772-001

Matrix: Soil

MS Sample Id: 669772-001 S

Prep Method: SW8015P

Date Prep: 08.12.2020

MSD Sample Id: 669772-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<50.0	999	935	94	981	98	70-130	5	20	mg/kg	08.12.2020 23:08	
Diesel Range Organics (DRO)	<50.0	999	941	94	978	98	70-130	4	20	mg/kg	08.12.2020 23:08	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	114		120		70-130	%	08.12.2020 23:08
o-Terphenyl	106		110		70-130	%	08.12.2020 23:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134523

MB Sample Id: 7709441-1-BLK

Matrix: Solid

LCS Sample Id: 7709441-1-BKS

Prep Method: SW5035A

Date Prep: 08.13.2020

LCSD Sample Id: 7709441-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.100	100	0.109	109	70-130	9	35	mg/kg	08.13.2020 16:28	
Toluene	<0.00200	0.100	0.102	102	0.111	111	70-130	8	35	mg/kg	08.13.2020 16:28	
Ethylbenzene	<0.00200	0.100	0.0985	99	0.106	106	70-130	7	35	mg/kg	08.13.2020 16:28	
m,p-Xylenes	<0.00400	0.200	0.195	98	0.210	105	70-130	7	35	mg/kg	08.13.2020 16:28	
o-Xylene	<0.00200	0.100	0.0971	97	0.105	105	70-130	8	35	mg/kg	08.13.2020 16:28	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	82		96		98		70-130	%	08.13.2020 16:28
4-Bromofluorobenzene	138	**	143	**	147	**	70-130	%	08.13.2020 16:28

Analytical Method: BTEX by EPA 8021B

Seq Number: 3134523

Parent Sample Id: 669700-002

Matrix: Soil

MS Sample Id: 669700-002 S

Prep Method: SW5035A

Date Prep: 08.13.2020

MSD Sample Id: 669700-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0888	89	0.0918	93	70-130	3	35	mg/kg	08.13.2020 17:14	
Toluene	<0.00200	0.0998	0.0896	90	0.0940	95	70-130	5	35	mg/kg	08.13.2020 17:14	
Ethylbenzene	<0.00200	0.0998	0.0853	85	0.0880	89	70-130	3	35	mg/kg	08.13.2020 17:14	
m,p-Xylenes	<0.00399	0.200	0.168	84	0.174	88	70-130	4	35	mg/kg	08.13.2020 17:14	
o-Xylene	<0.00200	0.0998	0.0836	84	0.0878	89	70-130	5	35	mg/kg	08.13.2020 17:14	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		93		70-130	%	08.13.2020 17:14
4-Bromofluorobenzene	161	**	160	**	70-130	%	08.13.2020 17:14

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

900 West Wall Street, Ste 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Conner Moehring**

Project Name: **Osprey Layflat Leak**

Project Location: **Lea County, New Mexico** Project #: **212C-WD-02249**

Invoice to: **EOG Galan Kelley**

Receiving Laboratory: **Xenco** Sampler Signature: **Devin Dominguez**

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	
	YEAR: 2020	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
		Borehole-1 0-1'	8/11/2020		X		X			1	N
		Borehole-1 2-3'	8/11/2020		X		X			1	N
		Borehole-1 4-5'	8/11/2020		X		X			1	N
		Borehole-1 6-7'	8/11/2020		X		X			1	N
		Borehole-1 9-10'	8/11/2020		X		X			1	N
		Borehole-1 14-15'	8/11/2020		X		X			1	N
		Borehole-1 19-20'	8/11/2020		X		X			1	N

Relinquished by: *[Signature]* Date: 8/12/20 Time: 1034
Received by: *[Signature]* Date: 8/12/20 Time: 1034

Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____

1009894

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO - MRO)	
<input type="checkbox"/>	PAH 8270C	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	
<input type="checkbox"/>	PCB's 8082 / 608	
<input type="checkbox"/>	NORM	
<input type="checkbox"/>	PLM (Asbestos)	
<input type="checkbox"/>	Chloride	
<input type="checkbox"/>	Chloride Sulfate TDS	
<input type="checkbox"/>	General Water Chemistry (see attached list)	
<input type="checkbox"/>	Anion/Cation Balance	
<input type="checkbox"/>	TPH 8015R	
<input type="checkbox"/>	Hold	

LAB USE ONLY

REMARKS:

STANDARD

RUSH: Same Day 24 hr 48 hr **72 hr**

Rush Charges Authorized

Special Report Limits or TRRP Report

Sample Temperature: *5.0/5.2*

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Eurofins Xenco, LLC

Prelogin/Nonconformance Report- Sample Log-In

Client: Tetra Tech- Midland

Date/ Time Received: 08.12.2020 04.36.31 PM

Work Order #: 669894

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR-8

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	5.2	
#2 *Shipping container in good condition?	Yes	
#3 *Samples received on ice?	Yes	
#4 *Custody Seals intact on shipping container/ cooler?	N/A	
#5 Custody Seals intact on sample bottles?	N/A	
#6*Custody Seals Signed and dated?	N/A	
#7 *Chain of Custody present?	Yes	
#8 Any missing/extra samples?	Yes	
#9 Chain of Custody signed when relinquished/ received?	Yes	
#10 Chain of Custody agrees with sample labels/matrix?	Yes	
#11 Container label(s) legible and intact?	Yes	
#12 Samples in proper container/ bottle?	Yes	BTEX was in bulk container
#13 Samples properly preserved?	Yes	
#14 Sample container(s) intact?	Yes	
#15 Sufficient sample amount for indicated test(s)?	Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	N/A	
#18 Water VOC samples have zero headspace?	N/A	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by: Brianna Teel Date: 08.12.2020
 Brianna Teel

Checklist reviewed by: Jessica Kramer Date: 08.12.2020
 Jessica Kramer



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Brittany Long
 Tetra Tech Inc
 901 W Wall
 Ste 100
 Midland, Texas 79701

Generated 5/20/2024 8:04:40 AM Revision 1

JOB DESCRIPTION

Osprey Lay Flat
 Lea County NM

JOB NUMBER

890-6650-1

Eurofins Carlsbad
 1089 N Canal St.
 Carlsbad NM 88220



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



Generated
5/20/2024 8:04:40 AM
Revision 1

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

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Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Laboratory Job ID: 890-6650-1
SDG: Lea County NM

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Definitions/Glossary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

Qualifiers

GC VOA

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

GC Semi VOA

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

Case Narrative

Client: Tetra Tech Inc
Project: Osprey Lay Flat

Job ID: 890-6650-1

Job ID: 890-6650-1

Eurofins Carlsbad

Job Narrative 890-6650-1

REVISION

The report being provided is a revision of the original report sent on 5/15/2024. The report (revision 1) is being revised due to Per client email, requesting Chloride re runs.

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

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

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

Receipt

The samples were received on 5/13/2024 2:40 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 -0.1°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: BH - 1 (4.0') (890-6650-1), BH - 2 (4.0') (890-6650-2), BH - 3 (4.0') (890-6650-3), BH - 4 (4.0') (890-6650-4), BH - 5 (3.0') (890-6650-5), BH - 6 (4.0') (890-6650-6), BH - 7 (3.0') (890-6650-7), BH - 8 (3.0') (890-6650-8), BH - 9 (3.0') (890-6650-9), BH - 10 (4.0') (890-6650-10), BH - 11 (4.0') (890-6650-11), BH - 12 (3.0') (890-6650-12), BH - 13 (3.0') (890-6650-13), BH - 14 (3.0') (890-6650-14), BH - 15 (3.0') (890-6650-15), BH - 16 (3.0') (890-6650-16), BH - 17 (3.0') (890-6650-17), BH - 18 (3.0') (890-6650-18), BH - 19 (3.0') (890-6650-19), BH - 20 (3.0') (890-6650-20), BH - 21 (3.0') (890-6650-21), BH - 22 (3.0') (890-6650-22), BH - 23 (3.0') (890-6650-23), BH - 24 (3.0') (890-6650-24), BH - 25 (3.0') (890-6650-25), BH - 26 (3.0') (890-6650-26), BH - 27 (4.0') (890-6650-27), BH - 28 (4.0') (890-6650-28), BH - 29 (4.0') (890-6650-29), BH - 30 (4.0') (890-6650-30), BH - 31 (4.0') (890-6650-31), BH - 32 (5.0') (890-6650-32), BH - 33 (5.0') (890-6650-33), BH - 34 (5.0') (890-6650-34), BH - 35 (5.0') (890-6650-35), BH - 36 (5.0') (890-6650-36), SW - 1 (890-6650-37), SW - 2 (890-6650-38), SW - 3 (890-6650-39), SW - 4 (890-6650-40), SW - 5 (890-6650-41), SW - 6 (890-6650-42), SW - 7 (890-6650-43), SW - 8 (890-6650-44), SW - 9 (890-6650-45), SW - 10 (890-6650-46), SW - 11 (890-6650-47), SW - 12 (890-6650-48), SW - 13 (890-6650-49), SW - 14 (890-6650-50) and SW - 15 (890-6650-51).

GC VOA

Method 8021B: Surrogate recovery for the following samples were outside control limits: SW - 5 (890-6650-41), SW - 6 (890-6650-42), SW - 7 (890-6650-43), SW - 8 (890-6650-44), SW - 9 (890-6650-45), SW - 10 (890-6650-46), SW - 11 (890-6650-47), SW - 12 (890-6650-48), SW - 13 (890-6650-49), SW - 14 (890-6650-50), SW - 15 (890-6650-51), (CCV 880-80659/11), (CCV 880-80659/29), (LCS 880-80638/1-A), (LCSD 880-80638/2-A), (MB 880-80638/5-A), (890-6650-A-41-J MS) and (890-6650-A-41-K MSD). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8021B: The surrogate recovery for the blank associated with analytical batch 880-80659 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.

Diesel Range Organics

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: BH - 17 (3.0') (890-6650-17). Percent recoveries are based on the amount spiked.

Surrogate Amount Doubled

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

Eurofins Carlsbad

Case Narrative

Client: Tetra Tech Inc
Project: Osprey Lay Flat

Job ID: 890-6650-1

Job ID: 890-6650-1 (Continued)

Eurofins Carlsbad

HPLC/IC

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80629 and 880-80629 and analytical batch 880-80749 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.

BH - 11 (4.0') (890-6650-11), BH - 12 (3.0') (890-6650-12), BH - 13 (3.0') (890-6650-13), BH - 14 (3.0') (890-6650-14), BH - 15 (3.0') (890-6650-15), BH - 16 (3.0') (890-6650-16), BH - 17 (3.0') (890-6650-17), BH - 18 (3.0') (890-6650-18), BH - 19 (3.0') (890-6650-19), BH - 20 (3.0') (890-6650-20), (890-6650-A-11-B MS) and (890-6650-A-11-C MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80633 and 880-80633 and analytical batch 880-80758 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.

BH - 21 (3.0') (890-6650-21), BH - 22 (3.0') (890-6650-22), BH - 23 (3.0') (890-6650-23), BH - 24 (3.0') (890-6650-24), BH - 25 (3.0') (890-6650-25), BH - 26 (3.0') (890-6650-26), BH - 27 (4.0') (890-6650-27), BH - 28 (4.0') (890-6650-28), BH - 29 (4.0') (890-6650-29), BH - 30 (4.0') (890-6650-30), (890-6650-A-21-B MS) and (890-6650-A-21-C MSD)

Method 300_ORGFM_28D - Soluble: The Chloride matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-80896 and 880-80896 and analytical batch 880-80907 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.

BH - 8 (3.0') (890-6650-8), BH - 24 (3.0') (890-6650-24), SW - 12 (890-6650-48), (880-43472-A-7-B), (880-43472-A-7-C MS) and (880-43472-A-7-D MSD)

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

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 1 (4.0')

Lab Sample ID: 890-6650-1

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/14/24 23:03	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/14/24 23:03	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/14/24 23:03	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/14/24 23:03	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/14/24 23:03	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/14/24 23:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/13/24 16:51	05/14/24 23:03	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/13/24 16:51	05/14/24 23:03	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			05/14/24 23:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/24 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)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/14/24 23:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/14/24 23:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/14/24 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130	05/14/24 14:28	05/14/24 23:46	1
o-Terphenyl	104		70 - 130	05/14/24 14:28	05/14/24 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3240		25.1		mg/Kg			05/15/24 09:32	5

Client Sample ID: BH - 2 (4.0')

Lab Sample ID: 890-6650-2

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/14/24 23:23	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 23:23	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 23:23	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/14/24 23:23	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 23:23	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/14/24 23:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/13/24 16:51	05/14/24 23:23	1
1,4-Difluorobenzene (Surr)	98		70 - 130	05/13/24 16:51	05/14/24 23:23	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 2 (4.0')

Lab Sample ID: 890-6650-2

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/14/24 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	<49.9	U	49.9		mg/Kg			05/15/24 00:37	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	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 00:37	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 00:37	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130	05/14/24 14:28	05/15/24 00:37	1
o-Terphenyl	113		70 - 130	05/14/24 14:28	05/15/24 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2360		25.2		mg/Kg			05/15/24 09:48	5

Client Sample ID: BH - 3 (4.0')

Lab Sample ID: 890-6650-3

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/14/24 23:43	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/14/24 23:43	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/14/24 23:43	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/14/24 23:43	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/14/24 23:43	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/14/24 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/13/24 16:51	05/14/24 23:43	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/13/24 16:51	05/14/24 23:43	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/14/24 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	<49.8	U	49.8		mg/Kg			05/15/24 00:53	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	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 00:53	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 00:53	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 3 (4.0')

Lab Sample ID: 890-6650-3

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/14/24 14:28	05/15/24 00:53	1
o-Terphenyl	116		70 - 130				05/14/24 14:28	05/15/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4030		25.2		mg/Kg			05/15/24 09:53	5

Client Sample ID: BH - 4 (4.0')

Lab Sample ID: 890-6650-4

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 00:04	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 00:04	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 00:04	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 00:04	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 00:04	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 00:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/13/24 16:51	05/15/24 00:04	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/13/24 16:51	05/15/24 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			05/15/24 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	<49.8	U	49.8		mg/Kg			05/15/24 01:10	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		05/14/24 14:28	05/15/24 01:10	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 01:10	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				05/14/24 14:28	05/15/24 01:10	1
o-Terphenyl	117		70 - 130				05/14/24 14:28	05/15/24 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1340		24.9		mg/Kg			05/15/24 09:59	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 5 (3.0')

Lab Sample ID: 890-6650-5

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 00:24	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 00:24	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 00:24	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/13/24 16:51	05/15/24 00:24	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 00:24	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/13/24 16:51	05/15/24 00:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/13/24 16:51	05/15/24 00:24	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/13/24 16:51	05/15/24 00:24	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			05/15/24 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	<50.0	U	50.0		mg/Kg			05/15/24 01:27	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		05/14/24 14:28	05/15/24 01:27	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 01:27	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	05/14/24 14:28	05/15/24 01:27	1
o-Terphenyl	98		70 - 130	05/14/24 14:28	05/15/24 01:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	540		5.04		mg/Kg			05/15/24 10:04	1

Client Sample ID: BH - 6 (4.0')

Lab Sample ID: 890-6650-6

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 00:45	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 00:45	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 00:45	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 00:45	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 00:45	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	05/13/24 16:51	05/15/24 00:45	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/13/24 16:51	05/15/24 00:45	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 6 (4.0')

Lab Sample ID: 890-6650-6

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 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	<49.7	U	49.7		mg/Kg			05/15/24 01:43	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	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 01:43	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 01:43	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/14/24 14:28	05/15/24 01:43	1
o-Terphenyl	107		70 - 130	05/14/24 14:28	05/15/24 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1460		25.1		mg/Kg			05/15/24 10:20	5

Client Sample ID: BH - 7 (3.0')

Lab Sample ID: 890-6650-7

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 01:05	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 01:05	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 01:05	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:51	05/15/24 01:05	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 01:05	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:51	05/15/24 01:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/13/24 16:51	05/15/24 01:05	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/13/24 16:51	05/15/24 01:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/24 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	<49.8	U	49.8		mg/Kg			05/15/24 02:01	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	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:01	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 7 (3.0')

Lab Sample ID: 890-6650-7

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	102		70 - 130				05/14/24 14:28	05/15/24 02:01	1
o-Terphenyl	104		70 - 130				05/14/24 14:28	05/15/24 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	562		4.97		mg/Kg			05/15/24 10:26	1

Client Sample ID: BH - 8 (3.0')

Lab Sample ID: 890-6650-8

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 01:25	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 01:25	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 01:25	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/13/24 16:51	05/15/24 01:25	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 01:25	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/13/24 16:51	05/15/24 01:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130				05/13/24 16:51	05/15/24 01:25	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/13/24 16:51	05/15/24 01:25	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/15/24 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			05/15/24 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	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 02:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 02:18	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/14/24 14:28	05/15/24 02:18	1
o-Terphenyl	108		70 - 130				05/14/24 14:28	05/15/24 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	542		4.97		mg/Kg			05/16/24 18:42	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 9 (3.0')

Lab Sample ID: 890-6650-9

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 01:46	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 01:46	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 01:46	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 01:46	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 01:46	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 01:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130	05/13/24 16:51	05/15/24 01:46	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/13/24 16:51	05/15/24 01:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			05/15/24 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	<49.8	U	49.8		mg/Kg			05/15/24 02:34	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		05/14/24 14:28	05/15/24 02:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130	05/14/24 14:28	05/15/24 02:34	1
o-Terphenyl	105		70 - 130	05/14/24 14:28	05/15/24 02:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	506		4.99		mg/Kg			05/15/24 10:37	1

Client Sample ID: BH - 10 (4.0')

Lab Sample ID: 890-6650-10

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 02:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 02:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 02:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/15/24 02:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 02:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/15/24 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/13/24 16:51	05/15/24 02:06	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/13/24 16:51	05/15/24 02:06	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 10 (4.0')

Lab Sample ID: 890-6650-10

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 02:06	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			05/15/24 02:51	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		05/14/24 14:28	05/15/24 02:51	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:51	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130	05/14/24 14:28	05/15/24 02:51	1
o-Terphenyl	106		70 - 130	05/14/24 14:28	05/15/24 02:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4480		24.9		mg/Kg			05/15/24 10:42	5

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6650-11

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 03:29	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 03:29	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 03:29	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:51	05/15/24 03:29	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 03:29	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:51	05/15/24 03:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/13/24 16:51	05/15/24 03:29	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/13/24 16:51	05/15/24 03:29	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			05/15/24 03:29	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			05/15/24 03:25	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	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 03:25	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 03:25	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6650-11

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:28	05/15/24 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/14/24 14:28	05/15/24 03:25	1
o-Terphenyl	99		70 - 130				05/14/24 14:28	05/15/24 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	960	F1	5.03		mg/Kg			05/15/24 10:48	1

Client Sample ID: BH - 12 (3.0')

Lab Sample ID: 890-6650-12

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 03:50	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 03:50	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 03:50	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 03:50	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 03:50	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				05/13/24 16:51	05/15/24 03:50	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/13/24 16:51	05/15/24 03:50	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			05/15/24 03:50	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			05/15/24 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	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				05/14/24 14:28	05/15/24 03:42	1
o-Terphenyl	106		70 - 130				05/14/24 14:28	05/15/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	405		5.02		mg/Kg			05/15/24 11:04	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 13 (3.0')

Lab Sample ID: 890-6650-13

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 04:10	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 04:10	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 04:10	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 04:10	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 04:10	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 04:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130	05/13/24 16:51	05/15/24 04:10	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/13/24 16:51	05/15/24 04:10	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			05/15/24 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/24 03:58	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	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:58	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:58	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/15/24 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/14/24 14:28	05/15/24 03:58	1
o-Terphenyl	101		70 - 130	05/14/24 14:28	05/15/24 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	511		4.99		mg/Kg			05/15/24 11:09	1

Client Sample ID: BH - 14 (3.0')

Lab Sample ID: 890-6650-14

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 04:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:31	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/15/24 04:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:31	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:51	05/15/24 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/13/24 16:51	05/15/24 04:31	1
1,4-Difluorobenzene (Surr)	105		70 - 130	05/13/24 16:51	05/15/24 04:31	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 14 (3.0')

Lab Sample ID: 890-6650-14

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 04:31	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			05/15/24 04:15	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	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:15	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:15	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130	05/14/24 14:28	05/15/24 04:15	1
o-Terphenyl	107		70 - 130	05/14/24 14:28	05/15/24 04:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	489		5.00		mg/Kg			05/15/24 11:26	1

Client Sample ID: BH - 15 (3.0')

Lab Sample ID: 890-6650-15

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 04:51	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:51	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:51	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/24 16:51	05/15/24 04:51	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/15/24 04:51	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/24 16:51	05/15/24 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/13/24 16:51	05/15/24 04:51	1
1,4-Difluorobenzene (Surr)	106		70 - 130	05/13/24 16:51	05/15/24 04:51	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			05/15/24 04:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/15/24 04:32	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		05/14/24 14:28	05/15/24 04:32	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 04:32	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 15 (3.0')

Lab Sample ID: 890-6650-15

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				05/14/24 14:28	05/15/24 04:32	1
o-Terphenyl	109		70 - 130				05/14/24 14:28	05/15/24 04:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	458		4.98		mg/Kg			05/15/24 11:31	1

Client Sample ID: BH - 16 (3.0')

Lab Sample ID: 890-6650-16

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 05:12	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:12	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:12	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 05:12	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:12	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 05:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				05/13/24 16:51	05/15/24 05:12	1
1,4-Difluorobenzene (Surr)	105		70 - 130				05/13/24 16:51	05/15/24 05:12	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			05/15/24 05:12	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			05/15/24 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	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:50	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:50	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:28	05/15/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				05/14/24 14:28	05/15/24 04:50	1
o-Terphenyl	105		70 - 130				05/14/24 14:28	05/15/24 04:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	138		5.04		mg/Kg			05/15/24 11:36	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 17 (3.0')

Lab Sample ID: 890-6650-17

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 05:32	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 05:32	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 05:32	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 05:32	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:51	05/15/24 05:32	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:51	05/15/24 05:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	111		70 - 130	05/13/24 16:51	05/15/24 05:32	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/13/24 16:51	05/15/24 05:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			05/15/24 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	<49.7	U	49.7		mg/Kg			05/15/24 05:06	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		05/14/24 14:28	05/15/24 05:06	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 05:06	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:28	05/15/24 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	184	S1+	70 - 130	05/14/24 14:28	05/15/24 05:06	1
o-Terphenyl	181	S1+	70 - 130	05/14/24 14:28	05/15/24 05:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	152		4.97		mg/Kg			05/15/24 11:42	1

Client Sample ID: BH - 18 (3.0')

Lab Sample ID: 890-6650-18

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 05:52	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:52	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:52	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 05:52	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:51	05/15/24 05:52	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:51	05/15/24 05:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	115		70 - 130	05/13/24 16:51	05/15/24 05:52	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/13/24 16:51	05/15/24 05:52	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 18 (3.0')

Lab Sample ID: 890-6650-18

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 05:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/15/24 05:24	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		05/14/24 14:28	05/15/24 05:24	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/24 14:28	05/15/24 05:24	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/24 14:28	05/15/24 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130	05/14/24 14:28	05/15/24 05:24	1
o-Terphenyl	103		70 - 130	05/14/24 14:28	05/15/24 05:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	145		5.03		mg/Kg			05/15/24 11:48	1

Client Sample ID: BH - 19 (3.0')

Lab Sample ID: 890-6650-19

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 06:13	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 06:13	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 06:13	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/13/24 16:51	05/15/24 06:13	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:51	05/15/24 06:13	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/13/24 16:51	05/15/24 06:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130	05/13/24 16:51	05/15/24 06:13	1
1,4-Difluorobenzene (Surr)	104		70 - 130	05/13/24 16:51	05/15/24 06:13	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			05/15/24 06:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/15/24 05:41	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	<49.6	U	49.6		mg/Kg		05/14/24 14:28	05/15/24 05:41	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/24 14:28	05/15/24 05:41	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 19 (3.0')

Lab Sample ID: 890-6650-19

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/24 14:28	05/15/24 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	113		70 - 130				05/14/24 14:28	05/15/24 05:41	1
o-Terphenyl	112		70 - 130				05/14/24 14:28	05/15/24 05:41	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			05/15/24 11:53	1

Client Sample ID: BH - 20 (3.0')

Lab Sample ID: 890-6650-20

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:51	05/15/24 06:33	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 06:33	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 06:33	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/13/24 16:51	05/15/24 06:33	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:51	05/15/24 06:33	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/13/24 16:51	05/15/24 06:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				05/13/24 16:51	05/15/24 06:33	1
1,4-Difluorobenzene (Surr)	106		70 - 130				05/13/24 16:51	05/15/24 06:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00404	U	0.00404		mg/Kg			05/15/24 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	<49.5	U	49.5		mg/Kg			05/15/24 05:57	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	<49.5	U	49.5		mg/Kg		05/14/24 14:28	05/15/24 05:57	1
Diesel Range Organics (Over C10-C28)	<49.5	U	49.5		mg/Kg		05/14/24 14:28	05/15/24 05:57	1
Oil Range Organics (Over C28-C36)	<49.5	U	49.5		mg/Kg		05/14/24 14:28	05/15/24 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/14/24 14:28	05/15/24 05:57	1
o-Terphenyl	100		70 - 130				05/14/24 14:28	05/15/24 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	510		5.02		mg/Kg			05/15/24 11:58	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 21 (3.0')

Lab Sample ID: 890-6650-21

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/14/24 23:49	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/14/24 23:49	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/14/24 23:49	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/14/24 23:49	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/14/24 23:49	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/14/24 23:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	123		70 - 130	05/13/24 16:53	05/14/24 23:49	1
1,4-Difluorobenzene (Surr)	89		70 - 130	05/13/24 16:53	05/14/24 23:49	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			05/14/24 23:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/14/24 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)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/14/24 23:46	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/14/24 23:46	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/14/24 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	94		70 - 130	05/14/24 14:32	05/14/24 23:46	1
o-Terphenyl	91		70 - 130	05/14/24 14:32	05/14/24 23:46	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	503	F1	4.98		mg/Kg			05/15/24 10:56	1

Client Sample ID: BH - 22 (3.0')

Lab Sample ID: 890-6650-22

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 00:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 00:10	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 00:10	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 00:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 00:10	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/13/24 16:53	05/15/24 00:10	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 00:10	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 22 (3.0')

Lab Sample ID: 890-6650-22

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 00:10	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			05/15/24 00:37	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	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 00:37	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 00:37	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/14/24 14:32	05/15/24 00:37	1
o-Terphenyl	95		70 - 130	05/14/24 14:32	05/15/24 00:37	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	583		4.99		mg/Kg			05/15/24 11:15	1

Client Sample ID: BH - 23 (3.0')

Lab Sample ID: 890-6650-23

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 00:30	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 00:30	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 00:30	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 00:30	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 00:30	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/13/24 16:53	05/15/24 00:30	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 00:30	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			05/15/24 00:30	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			05/15/24 00:53	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	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 00:53	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 00:53	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 23 (3.0')

Lab Sample ID: 890-6650-23

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 00:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	89		70 - 130				05/14/24 14:32	05/15/24 00:53	1
o-Terphenyl	87		70 - 130				05/14/24 14:32	05/15/24 00:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	585		5.04		mg/Kg			05/15/24 11:21	1

Client Sample ID: BH - 24 (3.0')

Lab Sample ID: 890-6650-24

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 00:51	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 00:51	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 00:51	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 00:51	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 00:51	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 00:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130				05/13/24 16:53	05/15/24 00:51	1
1,4-Difluorobenzene (Surr)	90		70 - 130				05/13/24 16:53	05/15/24 00:51	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			05/15/24 00:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			05/15/24 01:10	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		05/14/24 14:32	05/15/24 01:10	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 01:10	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 01:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130				05/14/24 14:32	05/15/24 01:10	1
o-Terphenyl	86		70 - 130				05/14/24 14:32	05/15/24 01:10	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	629		4.97		mg/Kg			05/15/24 11:27	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 25 (3.0')

Lab Sample ID: 890-6650-25

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 01:11	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 01:11	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 01:11	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/13/24 16:53	05/15/24 01:11	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 01:11	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/13/24 16:53	05/15/24 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/13/24 16:53	05/15/24 01:11	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 01:11	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			05/15/24 01:11	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			05/15/24 01:27	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		05/14/24 14:32	05/15/24 01:27	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 01:27	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 01:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	05/14/24 14:32	05/15/24 01:27	1
o-Terphenyl	96		70 - 130	05/14/24 14:32	05/15/24 01:27	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	322		4.98		mg/Kg			05/15/24 11:34	1

Client Sample ID: BH - 26 (3.0')

Lab Sample ID: 890-6650-26

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 01:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 01:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 01:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 01:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 01:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 01:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/13/24 16:53	05/15/24 01:31	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 01:31	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 26 (3.0')

Lab Sample ID: 890-6650-26

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 01:31	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			05/15/24 01:43	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	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 01:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 01:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 01:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	84		70 - 130	05/14/24 14:32	05/15/24 01:43	1
o-Terphenyl	82		70 - 130	05/14/24 14:32	05/15/24 01:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	295		5.02		mg/Kg			05/15/24 11:53	1

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-6650-27

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 01:52	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 01:52	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 01:52	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:53	05/15/24 01:52	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 01:52	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:53	05/15/24 01:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/13/24 16:53	05/15/24 01:52	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/13/24 16:53	05/15/24 01:52	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			05/15/24 01:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/24 02:01	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	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 02:01	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 02:01	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-6650-27

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 02:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/14/24 14:32	05/15/24 02:01	1
o-Terphenyl	101		70 - 130				05/14/24 14:32	05/15/24 02:01	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		25.0		mg/Kg			05/15/24 11:59	5

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-6650-28

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 02:12	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 02:12	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 02:12	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/13/24 16:53	05/15/24 02:12	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 02:12	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/13/24 16:53	05/15/24 02:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/13/24 16:53	05/15/24 02:12	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/13/24 16:53	05/15/24 02:12	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			05/15/24 02:12	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			05/15/24 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	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 02:18	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 02:18	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:32	05/15/24 02:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130				05/14/24 14:32	05/15/24 02:18	1
o-Terphenyl	89		70 - 130				05/14/24 14:32	05/15/24 02:18	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1850		25.2		mg/Kg			05/15/24 12:05	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-6650-29

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 02:33	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 02:33	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 02:33	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 02:33	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 02:33	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/13/24 16:53	05/15/24 02:33	1
1,4-Difluorobenzene (Surr)	90		70 - 130	05/13/24 16:53	05/15/24 02:33	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			05/15/24 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/24 02:34	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		05/14/24 14:32	05/15/24 02:34	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 02:34	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 02:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/14/24 14:32	05/15/24 02:34	1
o-Terphenyl	90		70 - 130	05/14/24 14:32	05/15/24 02:34	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1220		24.9		mg/Kg			05/15/24 12:12	5

Client Sample ID: BH - 30 (4.0')

Lab Sample ID: 890-6650-30

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 02:53	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 02:53	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 02:53	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 02:53	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 02:53	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/13/24 16:53	05/15/24 02:53	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 02:53	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 30 (4.0')

Lab Sample ID: 890-6650-30

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 02:53	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			05/15/24 02:51	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		05/14/24 14:32	05/15/24 02:51	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 02:51	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 02:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/14/24 14:32	05/15/24 02:51	1
o-Terphenyl	87		70 - 130	05/14/24 14:32	05/15/24 02:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1190		25.1		mg/Kg			05/15/24 12:18	5

Client Sample ID: BH - 31 (4.0')

Lab Sample ID: 890-6650-31

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 04:26	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 04:26	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 04:26	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:53	05/15/24 04:26	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 04:26	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:53	05/15/24 04:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130	05/13/24 16:53	05/15/24 04:26	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 04:26	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			05/15/24 04:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/24 03:25	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	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 03:25	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 03:25	1

Eurofins Carlsbad

Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 31 (4.0')

Lab Sample ID: 890-6650-31

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 03:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/14/24 14:32	05/15/24 03:25	1
o-Terphenyl	99		70 - 130				05/14/24 14:32	05/15/24 03:25	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1120		24.9		mg/Kg			05/15/24 12:24	5

Client Sample ID: BH - 32 (5.0')

Lab Sample ID: 890-6650-32

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 04:47	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 04:47	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 04:47	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 04:47	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 04:47	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 04:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/13/24 16:53	05/15/24 04:47	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/13/24 16:53	05/15/24 04:47	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			05/15/24 04:47	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			05/15/24 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	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 03:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 03:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 03:42	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				05/14/24 14:32	05/15/24 03:42	1
o-Terphenyl	96		70 - 130				05/14/24 14:32	05/15/24 03:42	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3480		25.0		mg/Kg			05/15/24 12:43	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: BH - 33 (5.0')

Lab Sample ID: 890-6650-33

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 05:07	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 05:07	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 05:07	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 05:07	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 05:07	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 05:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/13/24 16:53	05/15/24 05:07	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 05:07	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			05/15/24 05:07	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			05/15/24 03:58	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	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 03:58	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 03:58	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 03:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/14/24 14:32	05/15/24 03:58	1
o-Terphenyl	92		70 - 130	05/14/24 14:32	05/15/24 03:58	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4380		50.2		mg/Kg			05/15/24 12:49	10

Client Sample ID: BH - 34 (5.0')

Lab Sample ID: 890-6650-34

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 05:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:27	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 05:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:27	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:53	05/15/24 05:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/13/24 16:53	05/15/24 05:27	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 05:27	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 34 (5.0')

Lab Sample ID: 890-6650-34

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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			05/15/24 05:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			05/15/24 04:15	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	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 04:15	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 04:15	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:32	05/15/24 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130	05/14/24 14:32	05/15/24 04:15	1
o-Terphenyl	91		70 - 130	05/14/24 14:32	05/15/24 04:15	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3790		24.9		mg/Kg			05/15/24 13:08	5

Client Sample ID: BH - 35 (5.0')

Lab Sample ID: 890-6650-35

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 05:48	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:48	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:48	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/24 16:53	05/15/24 05:48	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/15/24 05:48	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/24 16:53	05/15/24 05:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130	05/13/24 16:53	05/15/24 05:48	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/13/24 16:53	05/15/24 05:48	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			05/15/24 05:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			05/15/24 04:32	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	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 04:32	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 04:32	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 35 (5.0')

Lab Sample ID: 890-6650-35

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:32	05/15/24 04:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/14/24 14:32	05/15/24 04:32	1
o-Terphenyl	99		70 - 130				05/14/24 14:32	05/15/24 04:32	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2310		25.2		mg/Kg			05/15/24 13:14	5

Client Sample ID: BH - 36 (5.0')

Lab Sample ID: 890-6650-36

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 06:08	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:08	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:08	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 06:08	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:08	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 06:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				05/13/24 16:53	05/15/24 06:08	1
1,4-Difluorobenzene (Surr)	91		70 - 130				05/13/24 16:53	05/15/24 06:08	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			05/15/24 06:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/15/24 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	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 04:50	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 04:50	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 04:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	101		70 - 130				05/14/24 14:32	05/15/24 04:50	1
o-Terphenyl	100		70 - 130				05/14/24 14:32	05/15/24 04:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1970		25.0		mg/Kg			05/15/24 13:21	5

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: SW - 1

Lab Sample ID: 890-6650-37

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 06:29	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 06:29	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 06:29	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 06:29	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:53	05/15/24 06:29	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:53	05/15/24 06:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	05/13/24 16:53	05/15/24 06:29	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 06:29	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			05/15/24 06:29	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			05/15/24 05:06	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		05/14/24 14:32	05/15/24 05:06	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 05:06	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 05:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	92		70 - 130	05/14/24 14:32	05/15/24 05:06	1
o-Terphenyl	90		70 - 130	05/14/24 14:32	05/15/24 05:06	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	216		5.04		mg/Kg			05/15/24 13:27	1

Client Sample ID: SW - 2

Lab Sample ID: 890-6650-38

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:53	05/15/24 06:49	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:49	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:49	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 06:49	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:53	05/15/24 06:49	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:53	05/15/24 06:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	117		70 - 130	05/13/24 16:53	05/15/24 06:49	1
1,4-Difluorobenzene (Surr)	91		70 - 130	05/13/24 16:53	05/15/24 06:49	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 2
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-38
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			05/15/24 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	<50.1	U	50.1		mg/Kg			05/15/24 05:24	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	<50.1	U	50.1		mg/Kg		05/14/24 14:32	05/15/24 05:24	1
Diesel Range Organics (Over C10-C28)	<50.1	U	50.1		mg/Kg		05/14/24 14:32	05/15/24 05:24	1
Oil Range Organics (Over C28-C36)	<50.1	U	50.1		mg/Kg		05/14/24 14:32	05/15/24 05:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	88		70 - 130	05/14/24 14:32	05/15/24 05:24	1
o-Terphenyl	86		70 - 130	05/14/24 14:32	05/15/24 05:24	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	254		5.05		mg/Kg			05/15/24 13:33	1

Client Sample ID: SW - 3
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-39
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		05/13/24 16:53	05/15/24 07:09	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 07:09	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 07:09	1
m-Xylene & p-Xylene	<0.00397	U	0.00397		mg/Kg		05/13/24 16:53	05/15/24 07:09	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:53	05/15/24 07:09	1
Xylenes, Total	<0.00397	U	0.00397		mg/Kg		05/13/24 16:53	05/15/24 07:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	120		70 - 130	05/13/24 16:53	05/15/24 07:09	1
1,4-Difluorobenzene (Surr)	92		70 - 130	05/13/24 16:53	05/15/24 07:09	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			05/15/24 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			05/15/24 05:41	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	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 05:41	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 05:41	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 3
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-39
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		05/14/24 14:32	05/15/24 05:41	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				05/14/24 14:32	05/15/24 05:41	1
o-Terphenyl	95		70 - 130				05/14/24 14:32	05/15/24 05:41	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	320		4.95		mg/Kg			05/15/24 13:40	1

Client Sample ID: SW - 4
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-40
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		05/13/24 16:53	05/15/24 07:30	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 07:30	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 07:30	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/13/24 16:53	05/15/24 07:30	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:53	05/15/24 07:30	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/13/24 16:53	05/15/24 07:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				05/13/24 16:53	05/15/24 07:30	1
1,4-Difluorobenzene (Surr)	92		70 - 130				05/13/24 16:53	05/15/24 07:30	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			05/15/24 07:30	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			05/15/24 05:57	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	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 05:57	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 05:57	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:32	05/15/24 05:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	93		70 - 130				05/14/24 14:32	05/15/24 05:57	1
o-Terphenyl	92		70 - 130				05/14/24 14:32	05/15/24 05:57	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	218		4.96		mg/Kg			05/15/24 13:46	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NMClient Sample ID: SW - 5
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40Lab Sample ID: 890-6650-41
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		05/13/24 16:54	05/14/24 23:57	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/14/24 23:57	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/14/24 23:57	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:54	05/14/24 23:57	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/14/24 23:57	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:54	05/14/24 23:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	155	S1+	70 - 130	05/13/24 16:54	05/14/24 23:57	1
1,4-Difluorobenzene (Surr)	87		70 - 130	05/13/24 16:54	05/14/24 23:57	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			05/14/24 23:57	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			05/15/24 07:53	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	<50.0	U	50.0		mg/Kg		05/14/24 14:35	05/15/24 07:53	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:35	05/15/24 07:53	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:35	05/15/24 07:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130	05/14/24 14:35	05/15/24 07:53	1
o-Terphenyl	98		70 - 130	05/14/24 14:35	05/15/24 07:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	381		5.05		mg/Kg			05/15/24 12:42	1

Client Sample ID: SW - 6
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40Lab Sample ID: 890-6650-42
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		05/13/24 16:54	05/15/24 00:17	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 00:17	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 00:17	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:54	05/15/24 00:17	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 00:17	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:54	05/15/24 00:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	142	S1+	70 - 130	05/13/24 16:54	05/15/24 00:17	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/13/24 16:54	05/15/24 00:17	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 6
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-42
 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			05/15/24 00:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.8	U	49.8		mg/Kg			05/15/24 08:43	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	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 08:43	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 08:43	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 08:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	05/14/24 14:35	05/15/24 08:43	1
o-Terphenyl	112		70 - 130	05/14/24 14:35	05/15/24 08:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	334		5.05		mg/Kg			05/15/24 12:58	1

Client Sample ID: SW - 7
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-43
 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		05/13/24 16:54	05/15/24 00:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 00:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 00:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 00:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 00:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 00:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	147	S1+	70 - 130	05/13/24 16:54	05/15/24 00:37	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/13/24 16:54	05/15/24 00:37	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			05/15/24 00:37	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			05/15/24 09:00	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	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:00	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:00	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 7
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-43
 Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130				05/14/24 14:35	05/15/24 09:00	1
o-Terphenyl	112		70 - 130				05/14/24 14:35	05/15/24 09:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	417		4.97		mg/Kg			05/15/24 13:04	1

Client Sample ID: SW - 8
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-44
 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		05/13/24 16:54	05/15/24 00:58	1
Toluene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/15/24 00:58	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/15/24 00:58	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		05/13/24 16:54	05/15/24 00:58	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		05/13/24 16:54	05/15/24 00:58	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		05/13/24 16:54	05/15/24 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				05/13/24 16:54	05/15/24 00:58	1
1,4-Difluorobenzene (Surr)	95		70 - 130				05/13/24 16:54	05/15/24 00:58	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			05/15/24 00:58	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			05/15/24 09:16	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)-C6-C10	<49.7	U	49.7		mg/Kg		05/14/24 14:35	05/15/24 09:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 14:35	05/15/24 09:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 14:35	05/15/24 09:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130				05/14/24 14:35	05/15/24 09:16	1
o-Terphenyl	109		70 - 130				05/14/24 14:35	05/15/24 09:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	332		5.04		mg/Kg			05/15/24 13:09	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 9
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-45
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		05/13/24 16:54	05/15/24 01:18	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 01:18	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 01:18	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		05/13/24 16:54	05/15/24 01:18	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 01:18	1
Xylenes, Total	<0.00403	U	0.00403		mg/Kg		05/13/24 16:54	05/15/24 01:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/13/24 16:54	05/15/24 01:18	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/13/24 16:54	05/15/24 01:18	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			05/15/24 01:18	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			05/15/24 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)-C6-C10	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:33	1
Diesel Range Organics (Over C10-C28)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:33	1
Oil Range Organics (Over C28-C36)	<49.8	U	49.8		mg/Kg		05/14/24 14:35	05/15/24 09:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	05/14/24 14:35	05/15/24 09:33	1
o-Terphenyl	94		70 - 130	05/14/24 14:35	05/15/24 09:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	281		4.99		mg/Kg			05/15/24 13:14	1

Client Sample ID: SW - 10
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-46
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		05/13/24 16:54	05/15/24 01:39	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 01:39	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 01:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 01:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 01:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	05/13/24 16:54	05/15/24 01:39	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/13/24 16:54	05/15/24 01:39	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 10
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-46
 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			05/15/24 01:39	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			05/15/24 09:50	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	<49.9	U	49.9		mg/Kg		05/14/24 14:35	05/15/24 09:50	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		05/14/24 14:35	05/15/24 09:50	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		05/14/24 14:35	05/15/24 09:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	05/14/24 14:35	05/15/24 09:50	1
o-Terphenyl	108		70 - 130	05/14/24 14:35	05/15/24 09:50	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		5.02		mg/Kg			05/15/24 13:31	1

Client Sample ID: SW -11
 Date Collected: 05/10/24 00:00
 Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-47
 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		05/13/24 16:54	05/15/24 01:59	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 01:59	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 01:59	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:54	05/15/24 01:59	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 01:59	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:54	05/15/24 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	146	S1+	70 - 130	05/13/24 16:54	05/15/24 01:59	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/13/24 16:54	05/15/24 01:59	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			05/15/24 01:59	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			05/15/24 07:53	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	<50.3	U	50.3		mg/Kg		05/14/24 21:28	05/15/24 07:53	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		05/14/24 21:28	05/15/24 07:53	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW -11
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-47
Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		05/14/24 21:28	05/15/24 07:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130				05/14/24 21:28	05/15/24 07:53	1
o-Terphenyl	112		70 - 130				05/14/24 21:28	05/15/24 07:53	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	265		5.05		mg/Kg			05/15/24 13:36	1

Client Sample ID: SW - 12
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-48
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		05/13/24 16:54	05/15/24 02:19	1
Toluene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 02:19	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 02:19	1
m-Xylene & p-Xylene	<0.00404	U	0.00404		mg/Kg		05/13/24 16:54	05/15/24 02:19	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		05/13/24 16:54	05/15/24 02:19	1
Xylenes, Total	<0.00404	U	0.00404		mg/Kg		05/13/24 16:54	05/15/24 02:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	150	S1+	70 - 130				05/13/24 16:54	05/15/24 02:19	1
1,4-Difluorobenzene (Surr)	96		70 - 130				05/13/24 16:54	05/15/24 02:19	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			05/15/24 02:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			05/15/24 08:43	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	<50.4	U	50.4		mg/Kg		05/14/24 21:28	05/15/24 08:43	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		05/14/24 21:28	05/15/24 08:43	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		05/14/24 21:28	05/15/24 08:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				05/14/24 21:28	05/15/24 08:43	1
o-Terphenyl	103		70 - 130				05/14/24 21:28	05/15/24 08:43	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	590		4.98		mg/Kg			05/16/24 18:54	1

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Client Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: SW - 13

Lab Sample ID: 890-6650-49

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:54	05/15/24 02:40	1
Toluene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 02:40	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 02:40	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 02:40	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		05/13/24 16:54	05/15/24 02:40	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		05/13/24 16:54	05/15/24 02:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	05/13/24 16:54	05/15/24 02:40	1
1,4-Difluorobenzene (Surr)	97		70 - 130	05/13/24 16:54	05/15/24 02:40	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			05/15/24 02:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			05/15/24 09:00	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	50.5		mg/Kg		05/14/24 21:28	05/15/24 09:00	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		05/14/24 21:28	05/15/24 09:00	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		05/14/24 21:28	05/15/24 09:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	05/14/24 21:28	05/15/24 09:00	1
o-Terphenyl	90		70 - 130	05/14/24 21:28	05/15/24 09:00	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	539		5.02		mg/Kg			05/15/24 13:47	1

Client Sample ID: SW - 14

Lab Sample ID: 890-6650-50

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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		05/13/24 16:54	05/15/24 03:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 03:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 03:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		05/13/24 16:54	05/15/24 03:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/15/24 03:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		05/13/24 16:54	05/15/24 03:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	143	S1+	70 - 130	05/13/24 16:54	05/15/24 03:00	1
1,4-Difluorobenzene (Surr)	95		70 - 130	05/13/24 16:54	05/15/24 03:00	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 14
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-50
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			05/15/24 03:00	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			05/15/24 09:16	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)-C6-C10	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:16	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:16	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	114		70 - 130	05/14/24 21:28	05/15/24 09:16	1
o-Terphenyl	111		70 - 130	05/14/24 21:28	05/15/24 09:16	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	580		5.04		mg/Kg			05/15/24 13:52	1

Client Sample ID: SW - 15
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-51
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		05/13/24 16:54	05/15/24 04:33	1
Toluene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 04:33	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 04:33	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		05/13/24 16:54	05/15/24 04:33	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		05/13/24 16:54	05/15/24 04:33	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		05/13/24 16:54	05/15/24 04:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	145	S1+	70 - 130	05/13/24 16:54	05/15/24 04:33	1
1,4-Difluorobenzene (Surr)	96		70 - 130	05/13/24 16:54	05/15/24 04:33	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			05/15/24 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	<49.7	U	49.7		mg/Kg			05/15/24 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)-C6-C10	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:33	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:33	1

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Client Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 15

Lab Sample ID: 890-6650-51

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		05/14/24 21:28	05/15/24 09:33	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				05/14/24 21:28	05/15/24 09:33	1
o-Terphenyl	99		70 - 130				05/14/24 21:28	05/15/24 09:33	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	344		5.02		mg/Kg			05/15/24 13:58	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Surrogate Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		BFB1 (70-130)	DFBZ1 (70-130)
890-6650-1	BH - 1 (4.0')	112	104
890-6650-1 MS	BH - 1 (4.0')	110	102
890-6650-1 MSD	BH - 1 (4.0')	112	104
890-6650-2	BH - 2 (4.0')	109	98
890-6650-3	BH - 3 (4.0')	112	105
890-6650-4	BH - 4 (4.0')	113	106
890-6650-5	BH - 5 (3.0')	112	106
890-6650-6	BH - 6 (4.0')	113	105
890-6650-7	BH - 7 (3.0')	114	106
890-6650-8	BH - 8 (3.0')	113	105
890-6650-9	BH - 9 (3.0')	112	106
890-6650-10	BH - 10 (4.0')	114	105
890-6650-11	BH - 11 (4.0')	115	102
890-6650-12	BH - 12 (3.0')	110	105
890-6650-13	BH - 13 (3.0')	114	105
890-6650-14	BH - 14 (3.0')	111	105
890-6650-15	BH - 15 (3.0')	115	106
890-6650-16	BH - 16 (3.0')	114	105
890-6650-17	BH - 17 (3.0')	111	104
890-6650-18	BH - 18 (3.0')	115	104
890-6650-19	BH - 19 (3.0')	110	104
890-6650-20	BH - 20 (3.0')	112	106
890-6650-21	BH - 21 (3.0')	123	89
890-6650-21 MS	BH - 21 (3.0')	114	99
890-6650-21 MSD	BH - 21 (3.0')	115	97
890-6650-22	BH - 22 (3.0')	116	91
890-6650-23	BH - 23 (3.0')	118	91
890-6650-24	BH - 24 (3.0')	117	90
890-6650-25	BH - 25 (3.0')	117	91
890-6650-26	BH - 26 (3.0')	120	91
890-6650-27	BH - 27 (4.0')	118	92
890-6650-28	BH - 28 (4.0')	119	92
890-6650-29	BH - 29 (4.0')	117	90
890-6650-30	BH - 30 (4.0')	118	91
890-6650-31	BH - 31 (4.0')	118	91
890-6650-32	BH - 32 (5.0')	119	92
890-6650-33	BH - 33 (5.0')	120	91
890-6650-34	BH - 34 (5.0')	116	91
890-6650-35	BH - 35 (5.0')	119	92
890-6650-36	BH - 36 (5.0')	119	91
890-6650-37	SW - 1	121	91
890-6650-38	SW - 2	117	91
890-6650-39	SW - 3	120	92
890-6650-40	SW - 4	118	92
890-6650-41	SW - 5	155 S1+	87
890-6650-41 MS	SW - 5	141 S1+	95
890-6650-41 MSD	SW - 5	141 S1+	95
890-6650-42	SW - 6	142 S1+	96
890-6650-43	SW - 7	147 S1+	97

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-6650-44	SW - 8	150 S1+	95
890-6650-45	SW - 9	146 S1+	95
890-6650-46	SW - 10	143 S1+	95
890-6650-47	SW -11	146 S1+	95
890-6650-48	SW - 12	150 S1+	96
890-6650-49	SW - 13	143 S1+	97
890-6650-50	SW - 14	143 S1+	95
890-6650-51	SW - 15	145 S1+	96
LCS 880-80636/1-A	Lab Control Sample	107	102
LCS 880-80637/1-A	Lab Control Sample	115	102
LCS 880-80638/1-A	Lab Control Sample	137 S1+	94
LCSD 880-80636/2-A	Lab Control Sample Dup	107	103
LCSD 880-80637/2-A	Lab Control Sample Dup	113	101
LCSD 880-80638/2-A	Lab Control Sample Dup	137 S1+	94
MB 880-80636/5-A	Method Blank	109	102
MB 880-80637/5-A	Method Blank	116	88
MB 880-80638/5-A	Method Blank	138 S1+	93
MB 880-80659/8	Method Blank	137 S1+	92
MB 880-80666/5-A	Method Blank	109	102
MB 880-80683/5-A	Method Blank	113	88

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)
890-6650-1	BH - 1 (4.0')	105	104
890-6650-1 MS	BH - 1 (4.0')	106	110
890-6650-1 MSD	BH - 1 (4.0')	105	107
890-6650-2	BH - 2 (4.0')	113	113
890-6650-3	BH - 3 (4.0')	113	116
890-6650-4	BH - 4 (4.0')	116	117
890-6650-5	BH - 5 (3.0')	99	98
890-6650-6	BH - 6 (4.0')	108	107
890-6650-7	BH - 7 (3.0')	102	104
890-6650-8	BH - 8 (3.0')	107	108
890-6650-9	BH - 9 (3.0')	103	105
890-6650-10	BH - 10 (4.0')	104	106
890-6650-11	BH - 11 (4.0')	98	99
890-6650-12	BH - 12 (3.0')	107	106
890-6650-13	BH - 13 (3.0')	101	101
890-6650-14	BH - 14 (3.0')	108	107
890-6650-15	BH - 15 (3.0')	111	109
890-6650-16	BH - 16 (3.0')	103	105
890-6650-17	BH - 17 (3.0')	184 S1+	181 S1+
890-6650-18	BH - 18 (3.0')	101	103

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		1CO1 (70-130)	OTPH1 (70-130)
890-6650-19	BH - 19 (3.0')	113	112
890-6650-20	BH - 20 (3.0')	101	100
890-6650-21	BH - 21 (3.0')	94	91
890-6650-21 MS	BH - 21 (3.0')	119	100
890-6650-21 MSD	BH - 21 (3.0')	96	99
890-6650-22	BH - 22 (3.0')	97	95
890-6650-23	BH - 23 (3.0')	89	87
890-6650-24	BH - 24 (3.0')	87	86
890-6650-25	BH - 25 (3.0')	97	96
890-6650-26	BH - 26 (3.0')	84	82
890-6650-27	BH - 27 (4.0')	97	101
890-6650-28	BH - 28 (4.0')	91	89
890-6650-29	BH - 29 (4.0')	92	90
890-6650-30	BH - 30 (4.0')	87	87
890-6650-31	BH - 31 (4.0')	100	99
890-6650-32	BH - 32 (5.0')	97	96
890-6650-33	BH - 33 (5.0')	93	92
890-6650-34	BH - 34 (5.0')	93	91
890-6650-35	BH - 35 (5.0')	101	99
890-6650-36	BH - 36 (5.0')	101	100
890-6650-37	SW - 1	92	90
890-6650-38	SW - 2	88	86
890-6650-39	SW - 3	98	95
890-6650-40	SW - 4	93	92
890-6650-41	SW - 5	99	98
890-6650-41 MS	SW - 5	104	106
890-6650-41 MSD	SW - 5	102	103
890-6650-42	SW - 6	112	112
890-6650-43	SW - 7	112	112
890-6650-44	SW - 8	110	109
890-6650-45	SW - 9	96	94
890-6650-46	SW - 10	109	108
890-6650-47	SW -11	117	112
890-6650-47 MS	SW -11	97	99
890-6650-47 MSD	SW -11	98	100
890-6650-48	SW - 12	105	103
890-6650-49	SW - 13	91	90
890-6650-50	SW - 14	114	111
890-6650-51	SW - 15	100	99
LCS 880-80721/2-A	Lab Control Sample	88	91
LCS 880-80722/2-A	Lab Control Sample	83	85
LCS 880-80723/2-A	Lab Control Sample	90	92
LCS 880-80744/2-A	Lab Control Sample	85	87
LCSD 880-80721/3-A	Lab Control Sample Dup	88	91
LCSD 880-80722/3-A	Lab Control Sample Dup	102	84
LCSD 880-80723/3-A	Lab Control Sample Dup	89	92
LCSD 880-80744/3-A	Lab Control Sample Dup	90	92
MB 880-80721/1-A	Method Blank	87	87
MB 880-80722/1-A	Method Blank	83	81
MB 880-80723/1-A	Method Blank	95	95

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Surrogate Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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)
MB 880-80744/1-A	Method Blank	90	88

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-80636/5-A
 Matrix: Solid
 Analysis Batch: 80658

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 80636

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 22:41	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 22:41	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 22:41	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/24 16:51	05/14/24 22:41	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:51	05/14/24 22:41	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/24 16:51	05/14/24 22:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/13/24 16:51	05/14/24 22:41	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/13/24 16:51	05/14/24 22:41	1

Lab Sample ID: LCS 880-80636/1-A
 Matrix: Solid
 Analysis Batch: 80658

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 80636

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1046		mg/Kg		105	70 - 130
Toluene	0.100	0.1045		mg/Kg		104	70 - 130
Ethylbenzene	0.100	0.1111		mg/Kg		111	70 - 130
m-Xylene & p-Xylene	0.200	0.2277		mg/Kg		114	70 - 130
o-Xylene	0.100	0.1168		mg/Kg		117	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-80636/2-A
 Matrix: Solid
 Analysis Batch: 80658

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 80636

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	0.100	0.09573		mg/Kg		96	70 - 130	9	35
Toluene	0.100	0.09554		mg/Kg		96	70 - 130	9	35
Ethylbenzene	0.100	0.1019		mg/Kg		102	70 - 130	9	35
m-Xylene & p-Xylene	0.200	0.2088		mg/Kg		104	70 - 130	9	35
o-Xylene	0.100	0.1073		mg/Kg		107	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	107		70 - 130
1,4-Difluorobenzene (Surr)	103		70 - 130

Lab Sample ID: 890-6650-1 MS
 Matrix: Solid
 Analysis Batch: 80658

Client Sample ID: BH - 1 (4.0')
 Prep Type: Total/NA
 Prep Batch: 80636

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.08791		mg/Kg		88	70 - 130
Toluene	<0.00201	U	0.100	0.08732		mg/Kg		87	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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

Lab Sample ID: 890-6650-1 MS
Matrix: Solid
Analysis Batch: 80658

Client Sample ID: BH - 1 (4.0')
Prep Type: Total/NA
Prep Batch: 80636

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00201	U	0.100	0.09236		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1897		mg/Kg		95	70 - 130
o-Xylene	<0.00201	U	0.100	0.09743		mg/Kg		97	70 - 130

Surrogate	MS %Recovery	MS Qualifier	MS Limits
4-Bromofluorobenzene (Surr)	110		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 890-6650-1 MSD
Matrix: Solid
Analysis Batch: 80658

Client Sample ID: BH - 1 (4.0')
Prep Type: Total/NA
Prep Batch: 80636

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.08310		mg/Kg		83	70 - 130	6	35
Toluene	<0.00201	U	0.100	0.08239		mg/Kg		82	70 - 130	6	35
Ethylbenzene	<0.00201	U	0.100	0.08663		mg/Kg		87	70 - 130	6	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1795		mg/Kg		90	70 - 130	6	35
o-Xylene	<0.00201	U	0.100	0.09354		mg/Kg		94	70 - 130	4	35

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
4-Bromofluorobenzene (Surr)	112		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: MB 880-80637/5-A
Matrix: Solid
Analysis Batch: 80660

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/14/24 23:27	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/14/24 23:27	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/14/24 23:27	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/24 16:53	05/14/24 23:27	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:53	05/14/24 23:27	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/24 16:53	05/14/24 23:27	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	05/13/24 16:53	05/14/24 23:27	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/13/24 16:53	05/14/24 23:27	1

Lab Sample ID: LCS 880-80637/1-A
Matrix: Solid
Analysis Batch: 80660

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	0.100	0.1181		mg/Kg		118	70 - 130
Toluene	0.100	0.1142		mg/Kg		114	70 - 130
Ethylbenzene	0.100	0.1153		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2347		mg/Kg		117	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: LCS 880-80637/1-A
 Matrix: Solid
 Analysis Batch: 80660

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 80637

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
o-Xylene	0.100	0.1187		mg/Kg		119	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	102		70 - 130

Lab Sample ID: LCSD 880-80637/2-A
 Matrix: Solid
 Analysis Batch: 80660

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 80637

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	0.100	0.1092		mg/Kg		109	70 - 130	8	35
Toluene	0.100	0.1062		mg/Kg		106	70 - 130	7	35
Ethylbenzene	0.100	0.1067		mg/Kg		107	70 - 130	8	35
m-Xylene & p-Xylene	0.200	0.2167		mg/Kg		108	70 - 130	8	35
o-Xylene	0.100	0.1094		mg/Kg		109	70 - 130	8	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	113		70 - 130
1,4-Difluorobenzene (Surr)	101		70 - 130

Lab Sample ID: 890-6650-21 MS
 Matrix: Solid
 Analysis Batch: 80660

Client Sample ID: BH - 21 (3.0')
 Prep Type: Total/NA
 Prep Batch: 80637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Benzene	<0.00201	U	0.100	0.09883		mg/Kg		99	70 - 130
Toluene	<0.00201	U	0.100	0.09430		mg/Kg		94	70 - 130
Ethylbenzene	<0.00201	U	0.100	0.09221		mg/Kg		92	70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1876		mg/Kg		94	70 - 130
o-Xylene	<0.00201	U	0.100	0.09450		mg/Kg		95	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	114		70 - 130
1,4-Difluorobenzene (Surr)	99		70 - 130

Lab Sample ID: 890-6650-21 MSD
 Matrix: Solid
 Analysis Batch: 80660

Client Sample ID: BH - 21 (3.0')
 Prep Type: Total/NA
 Prep Batch: 80637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Benzene	<0.00201	U	0.100	0.1002		mg/Kg		100	70 - 130	1	35
Toluene	<0.00201	U	0.100	0.09585		mg/Kg		96	70 - 130	2	35
Ethylbenzene	<0.00201	U	0.100	0.09403		mg/Kg		94	70 - 130	2	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.1930		mg/Kg		97	70 - 130	3	35
o-Xylene	<0.00201	U	0.100	0.09773		mg/Kg		98	70 - 130	3	35

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: 890-6650-21 MSD
Matrix: Solid
Analysis Batch: 80660

Client Sample ID: BH - 21 (3.0')
Prep Type: Total/NA
Prep Batch: 80637

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	97		70 - 130

Lab Sample ID: MB 880-80638/5-A
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80638

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/14/24 23:35	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/14/24 23:35	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/14/24 23:35	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/13/24 16:54	05/14/24 23:35	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/13/24 16:54	05/14/24 23:35	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/13/24 16:54	05/14/24 23:35	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	138	S1+	70 - 130	05/13/24 16:54	05/14/24 23:35	1
1,4-Difluorobenzene (Surr)	93		70 - 130	05/13/24 16:54	05/14/24 23:35	1

Lab Sample ID: LCS 880-80638/1-A
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80638

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.1118		mg/Kg		112	70 - 130
Toluene	0.100	0.1119		mg/Kg		112	70 - 130
Ethylbenzene	0.100	0.1154		mg/Kg		115	70 - 130
m-Xylene & p-Xylene	0.200	0.2423		mg/Kg		121	70 - 130
o-Xylene	0.100	0.1218		mg/Kg		122	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130
1,4-Difluorobenzene (Surr)	94		70 - 130

Lab Sample ID: LCSD 880-80638/2-A
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80638

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.1107		mg/Kg		111	70 - 130	1	35
Toluene	0.100	0.1106		mg/Kg		111	70 - 130	1	35
Ethylbenzene	0.100	0.1142		mg/Kg		114	70 - 130	1	35
m-Xylene & p-Xylene	0.200	0.2397		mg/Kg		120	70 - 130	1	35
o-Xylene	0.100	0.1203		mg/Kg		120	70 - 130	1	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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

Lab Sample ID: LCSD 880-80638/2-A
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80638

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

Lab Sample ID: 890-6650-41 MS
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: SW - 5
Prep Type: Total/NA
Prep Batch: 80638

Analyte	Sample	Sample	Spike	MS MS		Unit	D	%Rec	%Rec	Limits
	Result	Qualifier		Result	Qualifier					
Benzene	<0.00201	U	0.100	0.1028		mg/Kg		103		70 - 130
Toluene	<0.00201	U	0.100	0.1027		mg/Kg		103		70 - 130
Ethylbenzene	<0.00201	U	0.100	0.1042		mg/Kg		104		70 - 130
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2184		mg/Kg		109		70 - 130
o-Xylene	<0.00201	U	0.100	0.1092		mg/Kg		109		70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: 890-6650-41 MSD
Matrix: Solid
Analysis Batch: 80659

Client Sample ID: SW - 5
Prep Type: Total/NA
Prep Batch: 80638

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Benzene	<0.00201	U	0.100	0.1040		mg/Kg		104		70 - 130	1	35
Toluene	<0.00201	U	0.100	0.1037		mg/Kg		104		70 - 130	1	35
Ethylbenzene	<0.00201	U	0.100	0.1051		mg/Kg		105		70 - 130	1	35
m-Xylene & p-Xylene	<0.00402	U	0.200	0.2199		mg/Kg		110		70 - 130	1	35
o-Xylene	<0.00201	U	0.100	0.1103		mg/Kg		110		70 - 130	1	35

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	141	S1+	70 - 130
1,4-Difluorobenzene (Surr)	95		70 - 130

Lab Sample ID: MB 880-80659/8
Matrix: Solid
Analysis Batch: 80659

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg			05/14/24 11:08	1
Toluene	<0.00200	U	0.00200		mg/Kg			05/14/24 11:08	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg			05/14/24 11:08	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg			05/14/24 11:08	1
o-Xylene	<0.00200	U	0.00200		mg/Kg			05/14/24 11:08	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg			05/14/24 11:08	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	137	S1+	70 - 130		05/14/24 11:08	1
1,4-Difluorobenzene (Surr)	92		70 - 130		05/14/24 11:08	1

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: MB 880-80666/5-A
 Matrix: Solid
 Analysis Batch: 80658

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 80666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/24 08:51	05/14/24 10:52	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/24 08:51	05/14/24 10:52	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/24 08:51	05/14/24 10:52	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/24 08:51	05/14/24 10:52	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/24 08:51	05/14/24 10:52	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/24 08:51	05/14/24 10:52	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	05/14/24 08:51	05/14/24 10:52	1
1,4-Difluorobenzene (Surr)	102		70 - 130	05/14/24 08:51	05/14/24 10:52	1

Lab Sample ID: MB 880-80683/5-A
 Matrix: Solid
 Analysis Batch: 80660

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 80683

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		05/14/24 10:33	05/14/24 12:31	1
Toluene	<0.00200	U	0.00200		mg/Kg		05/14/24 10:33	05/14/24 12:31	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		05/14/24 10:33	05/14/24 12:31	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		05/14/24 10:33	05/14/24 12:31	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		05/14/24 10:33	05/14/24 12:31	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		05/14/24 10:33	05/14/24 12:31	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	05/14/24 10:33	05/14/24 12:31	1
1,4-Difluorobenzene (Surr)	88		70 - 130	05/14/24 10:33	05/14/24 12:31	1

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

Lab Sample ID: MB 880-80721/1-A
 Matrix: Solid
 Analysis Batch: 80690

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 80721

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		05/14/24 14:28	05/14/24 22:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/14/24 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:28	05/14/24 22:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	87		70 - 130	05/14/24 14:28	05/14/24 22:56	1
o-Terphenyl	87		70 - 130	05/14/24 14:28	05/14/24 22:56	1

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: LCS 880-80721/2-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80721

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	962.0		mg/Kg		96	70 - 130
Diesel Range Organics (Over C10-C28)	1000	837.9		mg/Kg		84	70 - 130
		LCS	LCS				
Surrogate		%Recovery	Qualifier	Limits			
1-Chlorooctane		88		70 - 130			
o-Terphenyl		91		70 - 130			

Lab Sample ID: LCSD 880-80721/3-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80721

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	965.0		mg/Kg		96	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	845.1		mg/Kg		85	70 - 130	1	20
		LCSD	LCSD						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		88		70 - 130					
o-Terphenyl		91		70 - 130					

Lab Sample ID: 890-6650-1 MS
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: BH - 1 (4.0')
Prep Type: Total/NA
Prep Batch: 80721

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	998	1087		mg/Kg		109	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	998	1004		mg/Kg		101	70 - 130
		MS	MS						
Surrogate		%Recovery	Qualifier	Limits					
1-Chlorooctane		106		70 - 130					
o-Terphenyl		110		70 - 130					

Lab Sample ID: 890-6650-1 MSD
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: BH - 1 (4.0')
Prep Type: Total/NA
Prep Batch: 80721

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	998	1063		mg/Kg		107	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	998	974.0		mg/Kg		98	70 - 130	3	20
		MSD	MSD								
Surrogate		%Recovery	Qualifier	Limits							
1-Chlorooctane		105		70 - 130							

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: 890-6650-1 MSD
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: BH - 1 (4.0')
Prep Type: Total/NA
Prep Batch: 80721

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
<i>o</i> -Terphenyl	107		70 - 130

Lab Sample ID: MB 880-80722/1-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80722

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/24 14:31	05/14/24 22:56	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:31	05/14/24 22:56	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:31	05/14/24 22:56	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	83		70 - 130	05/14/24 14:31	05/14/24 22:56	1
<i>o</i> -Terphenyl	81		70 - 130	05/14/24 14:31	05/14/24 22:56	1

Lab Sample ID: LCS 880-80722/2-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80722

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Gasoline Range Organics (GRO)-C6-C10	1000	861.2		mg/Kg		86	70 - 130
Diesel Range Organics (Over C10-C28)	1000	761.4		mg/Kg		76	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	83		70 - 130
<i>o</i> -Terphenyl	85		70 - 130

Lab Sample ID: LCSD 880-80722/3-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80722

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Gasoline Range Organics (GRO)-C6-C10	1000	857.8		mg/Kg		86	70 - 130	0	20
Diesel Range Organics (Over C10-C28)	1000	735.2		mg/Kg		74	70 - 130	4	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
<i>o</i> -Terphenyl	84		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: 890-6650-21 MS
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: BH - 21 (3.0')
Prep Type: Total/NA
Prep Batch: 80722

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	995	846.2		mg/Kg		85	70 - 130
Diesel Range Organics (Over C10-C28)	<50.0	U	995	788.5		mg/Kg		79	70 - 130
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
1-Chlorooctane	119		70 - 130						
o-Terphenyl	100		70 - 130						

Lab Sample ID: 890-6650-21 MSD
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: BH - 21 (3.0')
Prep Type: Total/NA
Prep Batch: 80722

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	995	826.9		mg/Kg		83	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.0	U	995	800.6		mg/Kg		80	70 - 130	2	20
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
1-Chlorooctane	96		70 - 130								
o-Terphenyl	99		70 - 130								

Lab Sample ID: MB 880-80723/1-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80723

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		05/14/24 14:35	05/15/24 07:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 14:35	05/15/24 07:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 14:35	05/15/24 07:04	1
MB MB									
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1-Chlorooctane	95		70 - 130	05/14/24 14:35	05/15/24 07:04	1			
o-Terphenyl	95		70 - 130	05/14/24 14:35	05/15/24 07:04	1			

Lab Sample ID: LCS 880-80723/2-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80723

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	969.7		mg/Kg		97	70 - 130
Diesel Range Organics (Over C10-C28)	1000	854.9		mg/Kg		85	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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

Lab Sample ID: LCS 880-80723/2-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80723

Surrogate	LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	90		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: LCSD 880-80723/3-A
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80723

Analyte	Spike Added	LCSD		Unit	D	%Rec	%Rec		RPD	Limit
		Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	1000	974.0		mg/Kg		97	70 - 130	0		20
Diesel Range Organics (Over C10-C28)	1000	861.5		mg/Kg		86	70 - 130	1		20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	89		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-6650-41 MS
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: SW - 5
Prep Type: Total/NA
Prep Batch: 80723

Analyte	Sample Result	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1069		mg/Kg		107	70 - 130			
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	1016		mg/Kg		102	70 - 130			

Surrogate	MS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	104		70 - 130
o-Terphenyl	106		70 - 130

Lab Sample ID: 890-6650-41 MSD
Matrix: Solid
Analysis Batch: 80690

Client Sample ID: SW - 5
Prep Type: Total/NA
Prep Batch: 80723

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	Limit
				Result	Qualifier				Limits	RPD		
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	1000	1057		mg/Kg		106	70 - 130	1		20
Diesel Range Organics (Over C10-C28)	<50.0	U	1000	988.2		mg/Kg		99	70 - 130	3		20

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	102		70 - 130
o-Terphenyl	103		70 - 130

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QC Sample Results

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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

Lab Sample ID: MB 880-80744/1-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80744

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		05/14/24 21:28	05/15/24 07:04	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		05/14/24 21:28	05/15/24 07:04	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		05/14/24 21:28	05/15/24 07:04	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1-Chlorooctane	90		70 - 130	05/14/24 21:28	05/15/24 07:04	1
o-Terphenyl	88		70 - 130	05/14/24 21:28	05/15/24 07:04	1

Lab Sample ID: LCS 880-80744/2-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80744

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	1000	775.2		mg/Kg		78	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1-Chlorooctane	85		70 - 130
o-Terphenyl	87		70 - 130

Lab Sample ID: LCSD 880-80744/3-A
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80744

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	893.2		mg/Kg		89	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	1000	798.6		mg/Kg		80	70 - 130	3	20

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
1-Chlorooctane	90		70 - 130
o-Terphenyl	92		70 - 130

Lab Sample ID: 890-6650-47 MS
Matrix: Solid
Analysis Batch: 80694

Client Sample ID: SW -11
Prep Type: Total/NA
Prep Batch: 80744

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	947.0		mg/Kg		95	70 - 130

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

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

Lab Sample ID: 890-6650-47 MS
 Matrix: Solid
 Analysis Batch: 80694

Client Sample ID: SW -11
 Prep Type: Total/NA
 Prep Batch: 80744

Surrogate	%Recovery	MS MS Qualifier	Limits
1-Chlorooctane	97		70 - 130
o-Terphenyl	99		70 - 130

Lab Sample ID: 890-6650-47 MSD
 Matrix: Solid
 Analysis Batch: 80694

Client Sample ID: SW -11
 Prep Type: Total/NA
 Prep Batch: 80744

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	<50.3	U	1000	933.8		mg/Kg		93	70 - 130	2	20
Diesel Range Organics (Over C10-C28)	<50.3	U	1000	953.2		mg/Kg		95	70 - 130	1	20

Surrogate	%Recovery	MSD MSD Qualifier	Limits
1-Chlorooctane	98		70 - 130
o-Terphenyl	100		70 - 130

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-80629/1-A
 Matrix: Solid
 Analysis Batch: 80749

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			05/15/24 09:15	1

Lab Sample ID: LCS 880-80629/2-A
 Matrix: Solid
 Analysis Batch: 80749

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	252.1		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-80629/3-A
 Matrix: Solid
 Analysis Batch: 80749

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.2		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-6650-1 MS
 Matrix: Solid
 Analysis Batch: 80749

Client Sample ID: BH - 1 (4.0')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3240		1260	4391		mg/Kg		92	90 - 110

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 890-6650-1 MSD
Matrix: Solid
Analysis Batch: 80749

Client Sample ID: BH - 1 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3240		1260	4397		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 890-6650-11 MS
Matrix: Solid
Analysis Batch: 80749

Client Sample ID: BH - 11 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	960	F1	252	1176	F1	mg/Kg		86	90 - 110		

Lab Sample ID: 890-6650-11 MSD
Matrix: Solid
Analysis Batch: 80749

Client Sample ID: BH - 11 (4.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	960	F1	252	1174	F1	mg/Kg		85	90 - 110	0	20

Lab Sample ID: MB 880-80633/1-A
Matrix: Solid
Analysis Batch: 80758

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			05/15/24 10:37	1

Lab Sample ID: LCS 880-80633/2-A
Matrix: Solid
Analysis Batch: 80758

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	238.6		mg/Kg		95	90 - 110		

Lab Sample ID: LCSD 880-80633/3-A
Matrix: Solid
Analysis Batch: 80758

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	238.8		mg/Kg		96	90 - 110	0	20

Lab Sample ID: 890-6650-21 MS
Matrix: Solid
Analysis Batch: 80758

Client Sample ID: BH - 21 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	503	F1	249	714.7	F1	mg/Kg		85	90 - 110		

Lab Sample ID: 890-6650-21 MSD
Matrix: Solid
Analysis Batch: 80758

Client Sample ID: BH - 21 (3.0')
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	503	F1	249	708.4	F1	mg/Kg		83	90 - 110	1	20

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6650-31 MS
 Matrix: Solid
 Analysis Batch: 80758

Client Sample ID: BH - 31 (4.0')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	1120		1250	2347		mg/Kg		99	90 - 110

Lab Sample ID: 890-6650-31 MSD
 Matrix: Solid
 Analysis Batch: 80758

Client Sample ID: BH - 31 (4.0')
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1120		1250	2337		mg/Kg		98	90 - 110	0	20

Lab Sample ID: MB 880-80634/1-A
 Matrix: Solid
 Analysis Batch: 80762

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			05/15/24 12:26	1

Lab Sample ID: LCS 880-80634/2-A
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	253.3		mg/Kg		101	90 - 110

Lab Sample ID: LCSD 880-80634/3-A
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	253.5		mg/Kg		101	90 - 110	0	20

Lab Sample ID: 890-6650-41 MS
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: SW - 5
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	381		253	628.7		mg/Kg		98	90 - 110

Lab Sample ID: 890-6650-41 MSD
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: SW - 5
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	381		253	629.1		mg/Kg		98	90 - 110	0	20

Lab Sample ID: 890-6650-51 MS
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: SW - 15
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	344		251	593.0		mg/Kg		99	90 - 110

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QC Sample Results

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 890-6650-51 MSD
 Matrix: Solid
 Analysis Batch: 80762

Client Sample ID: SW - 15
 Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	344		251	593.0		mg/Kg		99	90 - 110	0	20

Lab Sample ID: MB 880-80896/1-A
 Matrix: Solid
 Analysis Batch: 80907

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			05/16/24 15:52	1

Lab Sample ID: LCS 880-80896/2-A
 Matrix: Solid
 Analysis Batch: 80907

Client Sample ID: Lab Control Sample
 Prep Type: Soluble

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

Lab Sample ID: LCSD 880-80896/3-A
 Matrix: Solid
 Analysis Batch: 80907

Client Sample ID: Lab Control Sample Dup
 Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	230.5		mg/Kg		92	90 - 110	0	20

Lab Sample ID: 880-43472-A-7-C MS
 Matrix: Solid
 Analysis Batch: 80907

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	6350	F1	2520	10180	F1	mg/Kg		152	90 - 110

Lab Sample ID: 880-43472-A-7-D MSD
 Matrix: Solid
 Analysis Batch: 80907

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	6350	F1	2520	10090	F1	mg/Kg		149	90 - 110	1	20

QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC VOA

Prep Batch: 80636

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	5035	
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	5035	
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	5035	
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	5035	
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	5035	
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	5035	
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	5035	
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	5035	
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	5035	
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	5035	
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	5035	
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	5035	
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	5035	
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	5035	
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	5035	
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	5035	
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	5035	
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	5035	
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	5035	
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	5035	
MB 880-80636/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80636/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80636/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6650-1 MS	BH - 1 (4.0')	Total/NA	Solid	5035	
890-6650-1 MSD	BH - 1 (4.0')	Total/NA	Solid	5035	

Prep Batch: 80637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	5035	
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	5035	
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	5035	
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	5035	
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	5035	
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	5035	
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	5035	
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	5035	
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	5035	
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	5035	
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	5035	
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	5035	
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	5035	
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	5035	
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	5035	
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	5035	
890-6650-37	SW - 1	Total/NA	Solid	5035	
890-6650-38	SW - 2	Total/NA	Solid	5035	
890-6650-39	SW - 3	Total/NA	Solid	5035	
890-6650-40	SW - 4	Total/NA	Solid	5035	
MB 880-80637/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80637/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80637/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC VOA (Continued)

Prep Batch: 80637 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21 MS	BH - 21 (3.0')	Total/NA	Solid	5035	
890-6650-21 MSD	BH - 21 (3.0')	Total/NA	Solid	5035	

Prep Batch: 80638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-41	SW - 5	Total/NA	Solid	5035	
890-6650-42	SW - 6	Total/NA	Solid	5035	
890-6650-43	SW - 7	Total/NA	Solid	5035	
890-6650-44	SW - 8	Total/NA	Solid	5035	
890-6650-45	SW - 9	Total/NA	Solid	5035	
890-6650-46	SW - 10	Total/NA	Solid	5035	
890-6650-47	SW -11	Total/NA	Solid	5035	
890-6650-48	SW - 12	Total/NA	Solid	5035	
890-6650-49	SW - 13	Total/NA	Solid	5035	
890-6650-50	SW - 14	Total/NA	Solid	5035	
890-6650-51	SW - 15	Total/NA	Solid	5035	
MB 880-80638/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-80638/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-80638/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-6650-41 MS	SW - 5	Total/NA	Solid	5035	
890-6650-41 MSD	SW - 5	Total/NA	Solid	5035	

Analysis Batch: 80658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	8021B	80636
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	8021B	80636
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	8021B	80636
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	8021B	80636
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	8021B	80636
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	8021B	80636
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	8021B	80636
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	8021B	80636
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	8021B	80636
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	8021B	80636
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	8021B	80636
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	8021B	80636
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	8021B	80636
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	8021B	80636
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	8021B	80636
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	8021B	80636
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	8021B	80636
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	8021B	80636
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	8021B	80636
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	8021B	80636
MB 880-80636/5-A	Method Blank	Total/NA	Solid	8021B	80636
MB 880-80666/5-A	Method Blank	Total/NA	Solid	8021B	80666
LCS 880-80636/1-A	Lab Control Sample	Total/NA	Solid	8021B	80636
LCSD 880-80636/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80636
890-6650-1 MS	BH - 1 (4.0')	Total/NA	Solid	8021B	80636
890-6650-1 MSD	BH - 1 (4.0')	Total/NA	Solid	8021B	80636

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC VOA

Analysis Batch: 80659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-41	SW - 5	Total/NA	Solid	8021B	80638
890-6650-42	SW - 6	Total/NA	Solid	8021B	80638
890-6650-43	SW - 7	Total/NA	Solid	8021B	80638
890-6650-44	SW - 8	Total/NA	Solid	8021B	80638
890-6650-45	SW - 9	Total/NA	Solid	8021B	80638
890-6650-46	SW - 10	Total/NA	Solid	8021B	80638
890-6650-47	SW -11	Total/NA	Solid	8021B	80638
890-6650-48	SW - 12	Total/NA	Solid	8021B	80638
890-6650-49	SW - 13	Total/NA	Solid	8021B	80638
890-6650-50	SW - 14	Total/NA	Solid	8021B	80638
890-6650-51	SW - 15	Total/NA	Solid	8021B	80638
MB 880-80638/5-A	Method Blank	Total/NA	Solid	8021B	80638
MB 880-80659/8	Method Blank	Total/NA	Solid	8021B	
LCS 880-80638/1-A	Lab Control Sample	Total/NA	Solid	8021B	80638
LCSD 880-80638/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80638
890-6650-41 MS	SW - 5	Total/NA	Solid	8021B	80638
890-6650-41 MSD	SW - 5	Total/NA	Solid	8021B	80638

Analysis Batch: 80660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	8021B	80637
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	8021B	80637
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	8021B	80637
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	8021B	80637
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	8021B	80637
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	8021B	80637
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	8021B	80637
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	8021B	80637
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	8021B	80637
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	8021B	80637
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	8021B	80637
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	8021B	80637
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	8021B	80637
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	8021B	80637
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	8021B	80637
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	8021B	80637
890-6650-37	SW - 1	Total/NA	Solid	8021B	80637
890-6650-38	SW - 2	Total/NA	Solid	8021B	80637
890-6650-39	SW - 3	Total/NA	Solid	8021B	80637
890-6650-40	SW - 4	Total/NA	Solid	8021B	80637
MB 880-80637/5-A	Method Blank	Total/NA	Solid	8021B	80637
MB 880-80683/5-A	Method Blank	Total/NA	Solid	8021B	80683
LCS 880-80637/1-A	Lab Control Sample	Total/NA	Solid	8021B	80637
LCSD 880-80637/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	80637
890-6650-21 MS	BH - 21 (3.0')	Total/NA	Solid	8021B	80637
890-6650-21 MSD	BH - 21 (3.0')	Total/NA	Solid	8021B	80637

Prep Batch: 80666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80666/5-A	Method Blank	Total/NA	Solid	5035	

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC VOA

Prep Batch: 80683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-80683/5-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 80790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	Total BTEX	
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	Total BTEX	
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	Total BTEX	
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	Total BTEX	
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	Total BTEX	
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	Total BTEX	
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	Total BTEX	
890-6650-37	SW - 1	Total/NA	Solid	Total BTEX	
890-6650-38	SW - 2	Total/NA	Solid	Total BTEX	
890-6650-39	SW - 3	Total/NA	Solid	Total BTEX	
890-6650-40	SW - 4	Total/NA	Solid	Total BTEX	
890-6650-41	SW - 5	Total/NA	Solid	Total BTEX	
890-6650-42	SW - 6	Total/NA	Solid	Total BTEX	
890-6650-43	SW - 7	Total/NA	Solid	Total BTEX	
890-6650-44	SW - 8	Total/NA	Solid	Total BTEX	
890-6650-45	SW - 9	Total/NA	Solid	Total BTEX	
890-6650-46	SW - 10	Total/NA	Solid	Total BTEX	
890-6650-47	SW -11	Total/NA	Solid	Total BTEX	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

GC VOA (Continued)

Analysis Batch: 80790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-48	SW - 12	Total/NA	Solid	Total BTEX	
890-6650-49	SW - 13	Total/NA	Solid	Total BTEX	
890-6650-50	SW - 14	Total/NA	Solid	Total BTEX	
890-6650-51	SW - 15	Total/NA	Solid	Total BTEX	

GC Semi VOA

Analysis Batch: 80690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	8015B NM	80721
890-6650-41	SW - 5	Total/NA	Solid	8015B NM	80723
890-6650-42	SW - 6	Total/NA	Solid	8015B NM	80723
890-6650-43	SW - 7	Total/NA	Solid	8015B NM	80723
890-6650-44	SW - 8	Total/NA	Solid	8015B NM	80723
890-6650-45	SW - 9	Total/NA	Solid	8015B NM	80723
890-6650-46	SW - 10	Total/NA	Solid	8015B NM	80723
MB 880-80721/1-A	Method Blank	Total/NA	Solid	8015B NM	80721
MB 880-80723/1-A	Method Blank	Total/NA	Solid	8015B NM	80723
LCS 880-80721/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80721
LCS 880-80723/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80723
LCSD 880-80721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80721
LCSD 880-80723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80723
890-6650-1 MS	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-1 MSD	BH - 1 (4.0')	Total/NA	Solid	8015B NM	80721
890-6650-41 MS	SW - 5	Total/NA	Solid	8015B NM	80723
890-6650-41 MSD	SW - 5	Total/NA	Solid	8015B NM	80723

Analysis Batch: 80694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	8015B NM	80722

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 80694 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	8015B NM	80722
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	8015B NM	80722
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	8015B NM	80722
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	8015B NM	80722
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	8015B NM	80722
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	8015B NM	80722
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	8015B NM	80722
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	8015B NM	80722
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	8015B NM	80722
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	8015B NM	80722
890-6650-37	SW - 1	Total/NA	Solid	8015B NM	80722
890-6650-38	SW - 2	Total/NA	Solid	8015B NM	80722
890-6650-39	SW - 3	Total/NA	Solid	8015B NM	80722
890-6650-40	SW - 4	Total/NA	Solid	8015B NM	80722
890-6650-47	SW -11	Total/NA	Solid	8015B NM	80744
890-6650-48	SW - 12	Total/NA	Solid	8015B NM	80744
890-6650-49	SW - 13	Total/NA	Solid	8015B NM	80744
890-6650-50	SW - 14	Total/NA	Solid	8015B NM	80744
890-6650-51	SW - 15	Total/NA	Solid	8015B NM	80744
MB 880-80722/1-A	Method Blank	Total/NA	Solid	8015B NM	80722
MB 880-80744/1-A	Method Blank	Total/NA	Solid	8015B NM	80744
LCS 880-80722/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80722
LCS 880-80744/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	80744
LCSD 880-80722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80722
LCSD 880-80744/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	80744
890-6650-21 MS	BH - 21 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-21 MSD	BH - 21 (3.0')	Total/NA	Solid	8015B NM	80722
890-6650-47 MS	SW -11	Total/NA	Solid	8015B NM	80744
890-6650-47 MSD	SW -11	Total/NA	Solid	8015B NM	80744

Prep Batch: 80721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

GC Semi VOA (Continued)

Prep Batch: 80721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	8015NM Prep	
MB 880-80721/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80721/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80721/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6650-1 MS	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-1 MSD	BH - 1 (4.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	8015NM Prep	
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	8015NM Prep	
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	8015NM Prep	
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	8015NM Prep	
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	8015NM Prep	
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	8015NM Prep	
890-6650-37	SW - 1	Total/NA	Solid	8015NM Prep	
890-6650-38	SW - 2	Total/NA	Solid	8015NM Prep	
890-6650-39	SW - 3	Total/NA	Solid	8015NM Prep	
890-6650-40	SW - 4	Total/NA	Solid	8015NM Prep	
MB 880-80722/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80722/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80722/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6650-21 MS	BH - 21 (3.0')	Total/NA	Solid	8015NM Prep	
890-6650-21 MSD	BH - 21 (3.0')	Total/NA	Solid	8015NM Prep	

Prep Batch: 80723

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-41	SW - 5	Total/NA	Solid	8015NM Prep	
890-6650-42	SW - 6	Total/NA	Solid	8015NM Prep	
890-6650-43	SW - 7	Total/NA	Solid	8015NM Prep	
890-6650-44	SW - 8	Total/NA	Solid	8015NM Prep	
890-6650-45	SW - 9	Total/NA	Solid	8015NM Prep	
890-6650-46	SW - 10	Total/NA	Solid	8015NM Prep	
MB 880-80723/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80723/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80723/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6650-41 MS	SW - 5	Total/NA	Solid	8015NM Prep	
890-6650-41 MSD	SW - 5	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

GC Semi VOA

Prep Batch: 80744

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-47	SW -11	Total/NA	Solid	8015NM Prep	
890-6650-48	SW - 12	Total/NA	Solid	8015NM Prep	
890-6650-49	SW - 13	Total/NA	Solid	8015NM Prep	
890-6650-50	SW - 14	Total/NA	Solid	8015NM Prep	
890-6650-51	SW - 15	Total/NA	Solid	8015NM Prep	
MB 880-80744/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-80744/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-80744/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-6650-47 MS	SW -11	Total/NA	Solid	8015NM Prep	
890-6650-47 MSD	SW -11	Total/NA	Solid	8015NM Prep	

Analysis Batch: 80803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Total/NA	Solid	8015 NM	
890-6650-2	BH - 2 (4.0')	Total/NA	Solid	8015 NM	
890-6650-3	BH - 3 (4.0')	Total/NA	Solid	8015 NM	
890-6650-4	BH - 4 (4.0')	Total/NA	Solid	8015 NM	
890-6650-5	BH - 5 (3.0')	Total/NA	Solid	8015 NM	
890-6650-6	BH - 6 (4.0')	Total/NA	Solid	8015 NM	
890-6650-7	BH - 7 (3.0')	Total/NA	Solid	8015 NM	
890-6650-8	BH - 8 (3.0')	Total/NA	Solid	8015 NM	
890-6650-9	BH - 9 (3.0')	Total/NA	Solid	8015 NM	
890-6650-10	BH - 10 (4.0')	Total/NA	Solid	8015 NM	
890-6650-11	BH - 11 (4.0')	Total/NA	Solid	8015 NM	
890-6650-12	BH - 12 (3.0')	Total/NA	Solid	8015 NM	
890-6650-13	BH - 13 (3.0')	Total/NA	Solid	8015 NM	
890-6650-14	BH - 14 (3.0')	Total/NA	Solid	8015 NM	
890-6650-15	BH - 15 (3.0')	Total/NA	Solid	8015 NM	
890-6650-16	BH - 16 (3.0')	Total/NA	Solid	8015 NM	
890-6650-17	BH - 17 (3.0')	Total/NA	Solid	8015 NM	
890-6650-18	BH - 18 (3.0')	Total/NA	Solid	8015 NM	
890-6650-19	BH - 19 (3.0')	Total/NA	Solid	8015 NM	
890-6650-20	BH - 20 (3.0')	Total/NA	Solid	8015 NM	
890-6650-21	BH - 21 (3.0')	Total/NA	Solid	8015 NM	
890-6650-22	BH - 22 (3.0')	Total/NA	Solid	8015 NM	
890-6650-23	BH - 23 (3.0')	Total/NA	Solid	8015 NM	
890-6650-24	BH - 24 (3.0')	Total/NA	Solid	8015 NM	
890-6650-25	BH - 25 (3.0')	Total/NA	Solid	8015 NM	
890-6650-26	BH - 26 (3.0')	Total/NA	Solid	8015 NM	
890-6650-27	BH - 27 (4.0')	Total/NA	Solid	8015 NM	
890-6650-28	BH - 28 (4.0')	Total/NA	Solid	8015 NM	
890-6650-29	BH - 29 (4.0')	Total/NA	Solid	8015 NM	
890-6650-30	BH - 30 (4.0')	Total/NA	Solid	8015 NM	
890-6650-31	BH - 31 (4.0')	Total/NA	Solid	8015 NM	
890-6650-32	BH - 32 (5.0')	Total/NA	Solid	8015 NM	
890-6650-33	BH - 33 (5.0')	Total/NA	Solid	8015 NM	
890-6650-34	BH - 34 (5.0')	Total/NA	Solid	8015 NM	
890-6650-35	BH - 35 (5.0')	Total/NA	Solid	8015 NM	
890-6650-36	BH - 36 (5.0')	Total/NA	Solid	8015 NM	
890-6650-37	SW - 1	Total/NA	Solid	8015 NM	
890-6650-38	SW - 2	Total/NA	Solid	8015 NM	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

GC Semi VOA (Continued)

Analysis Batch: 80803 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-39	SW - 3	Total/NA	Solid	8015 NM	
890-6650-40	SW - 4	Total/NA	Solid	8015 NM	
890-6650-41	SW - 5	Total/NA	Solid	8015 NM	
890-6650-42	SW - 6	Total/NA	Solid	8015 NM	
890-6650-43	SW - 7	Total/NA	Solid	8015 NM	
890-6650-44	SW - 8	Total/NA	Solid	8015 NM	
890-6650-45	SW - 9	Total/NA	Solid	8015 NM	
890-6650-46	SW - 10	Total/NA	Solid	8015 NM	
890-6650-47	SW -11	Total/NA	Solid	8015 NM	
890-6650-48	SW - 12	Total/NA	Solid	8015 NM	
890-6650-49	SW - 13	Total/NA	Solid	8015 NM	
890-6650-50	SW - 14	Total/NA	Solid	8015 NM	
890-6650-51	SW - 15	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 80629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6650-2	BH - 2 (4.0')	Soluble	Solid	DI Leach	
890-6650-3	BH - 3 (4.0')	Soluble	Solid	DI Leach	
890-6650-4	BH - 4 (4.0')	Soluble	Solid	DI Leach	
890-6650-5	BH - 5 (3.0')	Soluble	Solid	DI Leach	
890-6650-6	BH - 6 (4.0')	Soluble	Solid	DI Leach	
890-6650-7	BH - 7 (3.0')	Soluble	Solid	DI Leach	
890-6650-9	BH - 9 (3.0')	Soluble	Solid	DI Leach	
890-6650-10	BH - 10 (4.0')	Soluble	Solid	DI Leach	
890-6650-11	BH - 11 (4.0')	Soluble	Solid	DI Leach	
890-6650-12	BH - 12 (3.0')	Soluble	Solid	DI Leach	
890-6650-13	BH - 13 (3.0')	Soluble	Solid	DI Leach	
890-6650-14	BH - 14 (3.0')	Soluble	Solid	DI Leach	
890-6650-15	BH - 15 (3.0')	Soluble	Solid	DI Leach	
890-6650-16	BH - 16 (3.0')	Soluble	Solid	DI Leach	
890-6650-17	BH - 17 (3.0')	Soluble	Solid	DI Leach	
890-6650-18	BH - 18 (3.0')	Soluble	Solid	DI Leach	
890-6650-19	BH - 19 (3.0')	Soluble	Solid	DI Leach	
890-6650-20	BH - 20 (3.0')	Soluble	Solid	DI Leach	
MB 880-80629/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80629/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80629/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6650-1 MS	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6650-1 MSD	BH - 1 (4.0')	Soluble	Solid	DI Leach	
890-6650-11 MS	BH - 11 (4.0')	Soluble	Solid	DI Leach	
890-6650-11 MSD	BH - 11 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Soluble	Solid	DI Leach	
890-6650-22	BH - 22 (3.0')	Soluble	Solid	DI Leach	
890-6650-23	BH - 23 (3.0')	Soluble	Solid	DI Leach	
890-6650-24	BH - 24 (3.0')	Soluble	Solid	DI Leach	

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

HPLC/IC (Continued)

Leach Batch: 80633 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-25	BH - 25 (3.0')	Soluble	Solid	DI Leach	
890-6650-26	BH - 26 (3.0')	Soluble	Solid	DI Leach	
890-6650-27	BH - 27 (4.0')	Soluble	Solid	DI Leach	
890-6650-28	BH - 28 (4.0')	Soluble	Solid	DI Leach	
890-6650-29	BH - 29 (4.0')	Soluble	Solid	DI Leach	
890-6650-30	BH - 30 (4.0')	Soluble	Solid	DI Leach	
890-6650-31	BH - 31 (4.0')	Soluble	Solid	DI Leach	
890-6650-32	BH - 32 (5.0')	Soluble	Solid	DI Leach	
890-6650-33	BH - 33 (5.0')	Soluble	Solid	DI Leach	
890-6650-34	BH - 34 (5.0')	Soluble	Solid	DI Leach	
890-6650-35	BH - 35 (5.0')	Soluble	Solid	DI Leach	
890-6650-36	BH - 36 (5.0')	Soluble	Solid	DI Leach	
890-6650-37	SW - 1	Soluble	Solid	DI Leach	
890-6650-38	SW - 2	Soluble	Solid	DI Leach	
890-6650-39	SW - 3	Soluble	Solid	DI Leach	
890-6650-40	SW - 4	Soluble	Solid	DI Leach	
MB 880-80633/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80633/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80633/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6650-21 MS	BH - 21 (3.0')	Soluble	Solid	DI Leach	
890-6650-21 MSD	BH - 21 (3.0')	Soluble	Solid	DI Leach	
890-6650-31 MS	BH - 31 (4.0')	Soluble	Solid	DI Leach	
890-6650-31 MSD	BH - 31 (4.0')	Soluble	Solid	DI Leach	

Leach Batch: 80634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-41	SW - 5	Soluble	Solid	DI Leach	
890-6650-42	SW - 6	Soluble	Solid	DI Leach	
890-6650-43	SW - 7	Soluble	Solid	DI Leach	
890-6650-44	SW - 8	Soluble	Solid	DI Leach	
890-6650-45	SW - 9	Soluble	Solid	DI Leach	
890-6650-46	SW - 10	Soluble	Solid	DI Leach	
890-6650-47	SW -11	Soluble	Solid	DI Leach	
890-6650-49	SW - 13	Soluble	Solid	DI Leach	
890-6650-50	SW - 14	Soluble	Solid	DI Leach	
890-6650-51	SW - 15	Soluble	Solid	DI Leach	
MB 880-80634/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80634/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80634/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-6650-41 MS	SW - 5	Soluble	Solid	DI Leach	
890-6650-41 MSD	SW - 5	Soluble	Solid	DI Leach	
890-6650-51 MS	SW - 15	Soluble	Solid	DI Leach	
890-6650-51 MSD	SW - 15	Soluble	Solid	DI Leach	

Analysis Batch: 80749

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-1	BH - 1 (4.0')	Soluble	Solid	300.0	80629
890-6650-2	BH - 2 (4.0')	Soluble	Solid	300.0	80629
890-6650-3	BH - 3 (4.0')	Soluble	Solid	300.0	80629
890-6650-4	BH - 4 (4.0')	Soluble	Solid	300.0	80629
890-6650-5	BH - 5 (3.0')	Soluble	Solid	300.0	80629

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QC Association Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay FlatJob ID: 890-6650-1
SDG: Lea County NM

HPLC/IC (Continued)

Analysis Batch: 80749 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-6	BH - 6 (4.0')	Soluble	Solid	300.0	80629
890-6650-7	BH - 7 (3.0')	Soluble	Solid	300.0	80629
890-6650-9	BH - 9 (3.0')	Soluble	Solid	300.0	80629
890-6650-10	BH - 10 (4.0')	Soluble	Solid	300.0	80629
890-6650-11	BH - 11 (4.0')	Soluble	Solid	300.0	80629
890-6650-12	BH - 12 (3.0')	Soluble	Solid	300.0	80629
890-6650-13	BH - 13 (3.0')	Soluble	Solid	300.0	80629
890-6650-14	BH - 14 (3.0')	Soluble	Solid	300.0	80629
890-6650-15	BH - 15 (3.0')	Soluble	Solid	300.0	80629
890-6650-16	BH - 16 (3.0')	Soluble	Solid	300.0	80629
890-6650-17	BH - 17 (3.0')	Soluble	Solid	300.0	80629
890-6650-18	BH - 18 (3.0')	Soluble	Solid	300.0	80629
890-6650-19	BH - 19 (3.0')	Soluble	Solid	300.0	80629
890-6650-20	BH - 20 (3.0')	Soluble	Solid	300.0	80629
MB 880-80629/1-A	Method Blank	Soluble	Solid	300.0	80629
LCS 880-80629/2-A	Lab Control Sample	Soluble	Solid	300.0	80629
LCSD 880-80629/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80629
890-6650-1 MS	BH - 1 (4.0')	Soluble	Solid	300.0	80629
890-6650-1 MSD	BH - 1 (4.0')	Soluble	Solid	300.0	80629
890-6650-11 MS	BH - 11 (4.0')	Soluble	Solid	300.0	80629
890-6650-11 MSD	BH - 11 (4.0')	Soluble	Solid	300.0	80629

Analysis Batch: 80758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-21	BH - 21 (3.0')	Soluble	Solid	300.0	80633
890-6650-22	BH - 22 (3.0')	Soluble	Solid	300.0	80633
890-6650-23	BH - 23 (3.0')	Soluble	Solid	300.0	80633
890-6650-24	BH - 24 (3.0')	Soluble	Solid	300.0	80633
890-6650-25	BH - 25 (3.0')	Soluble	Solid	300.0	80633
890-6650-26	BH - 26 (3.0')	Soluble	Solid	300.0	80633
890-6650-27	BH - 27 (4.0')	Soluble	Solid	300.0	80633
890-6650-28	BH - 28 (4.0')	Soluble	Solid	300.0	80633
890-6650-29	BH - 29 (4.0')	Soluble	Solid	300.0	80633
890-6650-30	BH - 30 (4.0')	Soluble	Solid	300.0	80633
890-6650-31	BH - 31 (4.0')	Soluble	Solid	300.0	80633
890-6650-32	BH - 32 (5.0')	Soluble	Solid	300.0	80633
890-6650-33	BH - 33 (5.0')	Soluble	Solid	300.0	80633
890-6650-34	BH - 34 (5.0')	Soluble	Solid	300.0	80633
890-6650-35	BH - 35 (5.0')	Soluble	Solid	300.0	80633
890-6650-36	BH - 36 (5.0')	Soluble	Solid	300.0	80633
890-6650-37	SW - 1	Soluble	Solid	300.0	80633
890-6650-38	SW - 2	Soluble	Solid	300.0	80633
890-6650-39	SW - 3	Soluble	Solid	300.0	80633
890-6650-40	SW - 4	Soluble	Solid	300.0	80633
MB 880-80633/1-A	Method Blank	Soluble	Solid	300.0	80633
LCS 880-80633/2-A	Lab Control Sample	Soluble	Solid	300.0	80633
LCSD 880-80633/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80633
890-6650-21 MS	BH - 21 (3.0')	Soluble	Solid	300.0	80633
890-6650-21 MSD	BH - 21 (3.0')	Soluble	Solid	300.0	80633
890-6650-31 MS	BH - 31 (4.0')	Soluble	Solid	300.0	80633
890-6650-31 MSD	BH - 31 (4.0')	Soluble	Solid	300.0	80633

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QC Association Summary

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

HPLC/IC

Analysis Batch: 80762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-41	SW - 5	Soluble	Solid	300.0	80634
890-6650-42	SW - 6	Soluble	Solid	300.0	80634
890-6650-43	SW - 7	Soluble	Solid	300.0	80634
890-6650-44	SW - 8	Soluble	Solid	300.0	80634
890-6650-45	SW - 9	Soluble	Solid	300.0	80634
890-6650-46	SW - 10	Soluble	Solid	300.0	80634
890-6650-47	SW -11	Soluble	Solid	300.0	80634
890-6650-49	SW - 13	Soluble	Solid	300.0	80634
890-6650-50	SW - 14	Soluble	Solid	300.0	80634
890-6650-51	SW - 15	Soluble	Solid	300.0	80634
MB 880-80634/1-A	Method Blank	Soluble	Solid	300.0	80634
LCS 880-80634/2-A	Lab Control Sample	Soluble	Solid	300.0	80634
LCSD 880-80634/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80634
890-6650-41 MS	SW - 5	Soluble	Solid	300.0	80634
890-6650-41 MSD	SW - 5	Soluble	Solid	300.0	80634
890-6650-51 MS	SW - 15	Soluble	Solid	300.0	80634
890-6650-51 MSD	SW - 15	Soluble	Solid	300.0	80634

Leach Batch: 80896

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-8	BH - 8 (3.0')	Soluble	Solid	DI Leach	
890-6650-48	SW - 12	Soluble	Solid	DI Leach	
MB 880-80896/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-80896/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-80896/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-43472-A-7-C MS	Matrix Spike	Soluble	Solid	DI Leach	
880-43472-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	DI Leach	

Analysis Batch: 80907

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-6650-8	BH - 8 (3.0')	Soluble	Solid	300.0	80896
890-6650-48	SW - 12	Soluble	Solid	300.0	80896
MB 880-80896/1-A	Method Blank	Soluble	Solid	300.0	80896
LCS 880-80896/2-A	Lab Control Sample	Soluble	Solid	300.0	80896
LCSD 880-80896/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	80896
880-43472-A-7-C MS	Matrix Spike	Soluble	Solid	300.0	80896
880-43472-A-7-D MSD	Matrix Spike Duplicate	Soluble	Solid	300.0	80896

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 1 (4.0')

Lab Sample ID: 890-6650-1

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/14/24 23:03
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/14/24 23:03
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/14/24 23:46
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/14/24 23:46
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 09:32

Client Sample ID: BH - 2 (4.0')

Lab Sample ID: 890-6650-2

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/14/24 23:23
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/14/24 23:23
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 00:37
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 00:37
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 09:48

Client Sample ID: BH - 3 (4.0')

Lab Sample ID: 890-6650-3

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/14/24 23:43
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/14/24 23:43
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 00:53
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 00:53
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 09:53

Client Sample ID: BH - 4 (4.0')

Lab Sample ID: 890-6650-4

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 00:04
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:04

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 4 (4.0')

Lab Sample ID: 890-6650-4

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:10
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 01:10
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 09:59

Client Sample ID: BH - 5 (3.0')

Lab Sample ID: 890-6650-5

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 00:24
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:24
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:27
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 01:27
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 10:04

Client Sample ID: BH - 6 (4.0')

Lab Sample ID: 890-6650-6

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 00:45
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:45
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:43
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 01:43
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 10:20

Client Sample ID: BH - 7 (3.0')

Lab Sample ID: 890-6650-7

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 01:05
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:05
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:01
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 02:01

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 7 (3.0')

Lab Sample ID: 890-6650-7

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 10:26

Client Sample ID: BH - 8 (3.0')

Lab Sample ID: 890-6650-8

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 01:25
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:25
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:18
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 02:18
Soluble	Leach	DI Leach			80896	SA	EET MID	05/16/24 14:17
Soluble	Analysis	300.0		1	80907	SMC	EET MID	05/16/24 18:42

Client Sample ID: BH - 9 (3.0')

Lab Sample ID: 890-6650-9

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 01:46
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:46
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:34
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 02:34
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 10:37

Client Sample ID: BH - 10 (4.0')

Lab Sample ID: 890-6650-10

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 02:06
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:06
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:51
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 02:51
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		5	80749	SMC	EET MID	05/15/24 10:42

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 11 (4.0')

Lab Sample ID: 890-6650-11

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 03:29
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 03:29
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:25
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 03:25
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 10:48

Client Sample ID: BH - 12 (3.0')

Lab Sample ID: 890-6650-12

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 03:50
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 03:50
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:42
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 03:42
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:04

Client Sample ID: BH - 13 (3.0')

Lab Sample ID: 890-6650-13

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 04:10
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:10
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:58
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 03:58
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:09

Client Sample ID: BH - 14 (3.0')

Lab Sample ID: 890-6650-14

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 04:31
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:31

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 14 (3.0')

Lab Sample ID: 890-6650-14

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:15
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 04:15
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:26

Client Sample ID: BH - 15 (3.0')

Lab Sample ID: 890-6650-15

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 04:51
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:51
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:32
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 04:32
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:31

Client Sample ID: BH - 16 (3.0')

Lab Sample ID: 890-6650-16

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 05:12
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:12
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:50
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 04:50
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:36

Client Sample ID: BH - 17 (3.0')

Lab Sample ID: 890-6650-17

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 05:32
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:32
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:06
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 05:06

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 17 (3.0')

Lab Sample ID: 890-6650-17

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:42

Client Sample ID: BH - 18 (3.0')

Lab Sample ID: 890-6650-18

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 05:52
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:52
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:24
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 05:24
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:48

Client Sample ID: BH - 19 (3.0')

Lab Sample ID: 890-6650-19

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 06:13
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 06:13
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:41
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 05:41
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:53

Client Sample ID: BH - 20 (3.0')

Lab Sample ID: 890-6650-20

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80636	MNR	EET MID	05/13/24 16:51
Total/NA	Analysis	8021B		1	80658	MNR	EET MID	05/15/24 06:33
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 06:33
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:57
Total/NA	Prep	8015NM Prep			80721	EL	EET MID	05/14/24 14:28
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 05:57
Soluble	Leach	DI Leach			80629	SA	EET MID	05/13/24 16:21
Soluble	Analysis	300.0		1	80749	SMC	EET MID	05/15/24 11:58

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 21 (3.0')

Lab Sample ID: 890-6650-21

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/14/24 23:49
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/14/24 23:49
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/14/24 23:46
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/14/24 23:46
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 10:56

Client Sample ID: BH - 22 (3.0')

Lab Sample ID: 890-6650-22

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 00:10
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:10
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 00:37
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 00:37
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 11:15

Client Sample ID: BH - 23 (3.0')

Lab Sample ID: 890-6650-23

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 00:30
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:30
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 00:53
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 00:53
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 11:21

Client Sample ID: BH - 24 (3.0')

Lab Sample ID: 890-6650-24

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 00:51
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:51

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 24 (3.0')

Lab Sample ID: 890-6650-24

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:10
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 01:10
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 11:27

Client Sample ID: BH - 25 (3.0')

Lab Sample ID: 890-6650-25

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 01:11
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:11
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:27
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 01:27
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 11:34

Client Sample ID: BH - 26 (3.0')

Lab Sample ID: 890-6650-26

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 01:31
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:31
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 01:43
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 01:43
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 11:53

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-6650-27

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 01:52
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:52
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:01
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 02:01

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 27 (4.0')

Lab Sample ID: 890-6650-27

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 11:59

Client Sample ID: BH - 28 (4.0')

Lab Sample ID: 890-6650-28

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 02:12
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:12
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:18
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 02:18
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 12:05

Client Sample ID: BH - 29 (4.0')

Lab Sample ID: 890-6650-29

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 02:33
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:33
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:34
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 02:34
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 12:12

Client Sample ID: BH - 30 (4.0')

Lab Sample ID: 890-6650-30

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 02:53
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:53
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 02:51
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 02:51
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 12:18

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 31 (4.0')

Lab Sample ID: 890-6650-31

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 04:26
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:26
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:25
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 03:25
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 12:24

Client Sample ID: BH - 32 (5.0')

Lab Sample ID: 890-6650-32

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 04:47
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:47
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:42
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 03:42
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 12:43

Client Sample ID: BH - 33 (5.0')

Lab Sample ID: 890-6650-33

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 05:07
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:07
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 03:58
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 03:58
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		10	80758	SMC	EET MID	05/15/24 12:49

Client Sample ID: BH - 34 (5.0')

Lab Sample ID: 890-6650-34

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 05:27
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:27

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: BH - 34 (5.0')

Lab Sample ID: 890-6650-34

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:15
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 04:15
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 13:08

Client Sample ID: BH - 35 (5.0')

Lab Sample ID: 890-6650-35

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 05:48
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 05:48
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:32
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 04:32
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 13:14

Client Sample ID: BH - 36 (5.0')

Lab Sample ID: 890-6650-36

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 06:08
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 06:08
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 04:50
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 04:50
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		5	80758	SMC	EET MID	05/15/24 13:21

Client Sample ID: SW - 1

Lab Sample ID: 890-6650-37

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 06:29
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 06:29
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:06
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 05:06

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 1
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-37
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 13:27

Client Sample ID: SW - 2
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-38
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 06:49
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 06:49
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:24
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 05:24
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 13:33

Client Sample ID: SW - 3
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-39
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 07:09
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 07:09
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:41
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 05:41
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 13:40

Client Sample ID: SW - 4
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-40
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80637	MNR	EET MID	05/13/24 16:53
Total/NA	Analysis	8021B		1	80660	MNR	EET MID	05/15/24 07:30
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 07:30
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 05:57
Total/NA	Prep	8015NM Prep			80722	EL	EET MID	05/14/24 14:32
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 05:57
Soluble	Leach	DI Leach			80633	SA	EET MID	05/13/24 16:27
Soluble	Analysis	300.0		1	80758	SMC	EET MID	05/15/24 13:46

Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 5

Lab Sample ID: 890-6650-41

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/14/24 23:57
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/14/24 23:57
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 07:53
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 07:53
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 12:42

Client Sample ID: SW - 6

Lab Sample ID: 890-6650-42

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 00:17
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:17
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 08:43
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 08:43
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 12:58

Client Sample ID: SW - 7

Lab Sample ID: 890-6650-43

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 00:37
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:37
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:00
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 09:00
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:04

Client Sample ID: SW - 8

Lab Sample ID: 890-6650-44

Date Collected: 05/10/24 00:00

Matrix: Solid

Date Received: 05/13/24 14:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 00:58
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 00:58

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW - 8
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-44
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:16
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 09:16
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:09

Client Sample ID: SW - 9
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-45
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 01:18
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:18
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:33
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 09:33
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:14

Client Sample ID: SW - 10
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-46
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 01:39
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:39
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:50
Total/NA	Prep	8015NM Prep			80723	EL	EET MID	05/14/24 14:35
Total/NA	Analysis	8015B NM		1	80690	TKC	EET MID	05/15/24 09:50
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:31

Client Sample ID: SW -11
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 01:59
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 01:59
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 07:53
Total/NA	Prep	8015NM Prep			80744	TKC	EET MID	05/14/24 21:28
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 07:53

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Lab Chronicle

Client: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Client Sample ID: SW -11
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-47
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:36

Client Sample ID: SW - 12
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-48
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 02:19
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:19
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 08:43
Total/NA	Prep	8015NM Prep			80744	TKC	EET MID	05/14/24 21:28
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 08:43
Soluble	Leach	DI Leach			80896	SA	EET MID	05/16/24 14:17
Soluble	Analysis	300.0		1	80907	SMC	EET MID	05/16/24 18:54

Client Sample ID: SW - 13
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-49
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 02:40
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 02:40
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:00
Total/NA	Prep	8015NM Prep			80744	TKC	EET MID	05/14/24 21:28
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 09:00
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:47

Client Sample ID: SW - 14
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-50
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 03:00
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 03:00
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:16
Total/NA	Prep	8015NM Prep			80744	TKC	EET MID	05/14/24 21:28
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 09:16
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:52

Lab Chronicle

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

Client Sample ID: SW - 15
Date Collected: 05/10/24 00:00
Date Received: 05/13/24 14:40

Lab Sample ID: 890-6650-51
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			80638	MNR	EET MID	05/13/24 16:54
Total/NA	Analysis	8021B		1	80659	MNR	EET MID	05/15/24 04:33
Total/NA	Analysis	Total BTEX		1	80790	SM	EET MID	05/15/24 04:33
Total/NA	Analysis	8015 NM		1	80803	SM	EET MID	05/15/24 09:33
Total/NA	Prep	8015NM Prep			80744	TKC	EET MID	05/14/24 21:28
Total/NA	Analysis	8015B NM		1	80694	TKC	EET MID	05/15/24 09:33
Soluble	Leach	DI Leach			80634	SA	EET MID	05/13/24 16:30
Soluble	Analysis	300.0		1	80762	SMC	EET MID	05/15/24 13:58

Laboratory References:

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

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Accreditation/Certification Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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
Total BTEX		Solid	Total BTEX

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Method Summary

Client: Tetra Tech Inc
Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
SDG: Lea County NM

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: Tetra Tech Inc
 Project/Site: Osprey Lay Flat

Job ID: 890-6650-1
 SDG: Lea County NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
890-6650-1	BH - 1 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-2	BH - 2 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-3	BH - 3 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-4	BH - 4 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-5	BH - 5 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-6	BH - 6 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-7	BH - 7 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-8	BH - 8 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-9	BH - 9 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-10	BH - 10 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-11	BH - 11 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-12	BH - 12 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-13	BH - 13 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-14	BH - 14 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-15	BH - 15 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-16	BH - 16 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-17	BH - 17 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-18	BH - 18 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-19	BH - 19 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-20	BH - 20 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-21	BH - 21 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-22	BH - 22 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-23	BH - 23 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-24	BH - 24 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-25	BH - 25 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-26	BH - 26 (3.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-27	BH - 27 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-28	BH - 28 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-29	BH - 29 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-30	BH - 30 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-31	BH - 31 (4.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-32	BH - 32 (5.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-33	BH - 33 (5.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-34	BH - 34 (5.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-35	BH - 35 (5.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-36	BH - 36 (5.0')	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-37	SW - 1	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-38	SW - 2	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-39	SW - 3	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-40	SW - 4	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-41	SW - 5	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-42	SW - 6	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-43	SW - 7	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-44	SW - 8	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-45	SW - 9	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-46	SW - 10	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-47	SW -11	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-48	SW - 12	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-49	SW - 13	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-50	SW - 14	Solid	05/10/24 00:00	05/13/24 14:40
890-6650-51	SW - 15	Solid	05/10/24 00:00	05/13/24 14:40

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Analysis Request of Custody Record



Tetra Tech, Inc.

901 W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4659
Fax (432) 682-3946

Client Name: EOG Site Manager: Brittany Long

Project Name: Osprey Lay Flat brittany.long@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Eurofins Xenco Sampler Signature: Miguel Flores

Comments:



890-6650 Chain of Custody

Page 1 of 6

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX	PRESERVATIVE METHOD	# CONTAINERS	FILTERED (Y/N)	LAB USE ONLY	REMARKS
		DATE	TIME						
BH-1 (4.0')		5/10/2024		WATER	X			X	
BH-2 (4.0')		5/10/2024		SOIL	X			X	
BH-3 (4.0')		5/10/2024			X			X	
BH-4 (4.0')		5/10/2024			X			X	
BH-5 (3.0')		5/10/2024			X			X	
BH-6 (4.0')		5/10/2024			X			X	
BH-7 (3.0')		5/10/2024			X			X	
BH-8 (3.0')		5/10/2024			X			X	
BH-9 (3.0')		5/10/2024			X			X	
BH-10 (4.0')		5/10/2024			X			X	

ORIGINAL COPY

Retrieved by: Miguel A Flores Date: 5/13 Time: 14:39
 Received by: S. Smith Date: 5/13 Time: 14:40

Retrieved by: Date: Time: Received by: Date: Time:

LAB USE ONLY

REMARKS:

Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

(Circle or Specify Method No.)

QUEST

Sample Temperature: Tampon -0.2

-1.2

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Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Brittany Long
Project Name: Osprey Lay Flat Project #: 212C-MD-
Project Location: Lea County, NM brittany.long@tetratech.com
Invoice to: ATTN: James Kennedy
Receiving Laboratory: Eurofins Xenco Sampler Signature: Miguel Flores

LAB #	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST <i>(Circle or Specify Method No.)</i>
		DATE	TIME	WATER	SOIL	HCL	HNO ₃			
	BH-21 (3.0')	5/10/2024		X				X		BTEX 8021B BTEX 8260B
	BH-22 (3.0')	5/10/2024		X				X		TPH TX1005 (Ext to C35)
	BH-23 (3.0')	5/10/2024		X				X		TPH 8015M (GRO - DRO - ORO)
	BH-24 (3.0')	5/10/2024		X				X		PAH 8270C
	BH-25 (3.0')	5/10/2024		X				X		Total Metals Ag As Ba Cd Cr Pb Se Hg
	BH-26 (3.0')	5/10/2024		X				X		TCLP Metals Ag As Ba Cd Cr Pb Se Hg
	BH-27 (4.0')	5/10/2024		X				X		TCLP Volatiles
	BH-28 (4.0')	5/10/2024		X				X		TCLP Semi Volatiles
	BH-29 (4.0')	5/10/2024		X				X		RCI
	BH-30 (4.0')	5/10/2024		X				X		GC/MS Vol. 8260B / 624
										GC/MS Semi. Vol. 8270C/625
										PCB's 8082 / 608
										NORM
										PLM (Asbestos)
										Chloride
										Chloride Sulfate TDS
										General Water Chemistry (see attached list)
										Anion/Cation Balance
										Hold

ORIGINAL COPY

Relinquished by: Miguel A Flores Date: 5/13 Time: 1439
Received by: S. Smith Date: 5/13 Time: 1440

Relinquished by: _____ Date: _____ Time: _____
Received by: _____ Date: _____ Time: _____

LAB USE ONLY
REMARKS:
 Standard TAT
 Rush: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ANALYSIS REQUEST
(Circle or Specify Method No.)

Analysis Request of Custody Record



Tetra Tech, Inc.

907W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Brittany Long**

Project Name: **Osprey Lay Flat** Project #: **212C-MD-**

Project Location: **Lea County, NM** Project #: **212C-MD-**

Invoice to: **ATTN: James Kennedy**

Receiving Laboratory: **Eurofins Xenco** Sampler Signature: **Miguel Flores**

Comments:

LAB #	SAMPLE IDENTIFICATION		SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
	DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE	None		
SW-5	5/10/2024		X				X			
SW-6	5/10/2024		X				X			
SW-7	5/10/2024		X				X			
SW-8	5/10/2024		X				X			
SW-9	5/10/2024		X				X			
SW-10	5/10/2024		X				X			
SW-11	5/10/2024		X				X			
SW-12	5/10/2024		X				X			
SW-13	5/10/2024		X				X			
SW-14	5/10/2024		X				X			

Relinquished by: **Miguel A Flores** Date: **5/13** Time: **14:39** Received by: **B. Surrus** Date: **5/13** Time: **14:40**

Relinquished by: _____ Date: _____ Time: _____ Received by: _____ Date: _____ Time: _____

ANALYSIS REQUEST (Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)	
<input type="checkbox"/>	PAH 8270C	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
<input type="checkbox"/>	TCLP Volatiles	
<input type="checkbox"/>	TCLP Semi Volatiles	
<input type="checkbox"/>	RCI	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	
<input type="checkbox"/>	PCB's 8082 / 608	
<input type="checkbox"/>	NORM	
<input type="checkbox"/>	PLM (Asbestos)	
<input type="checkbox"/>	Chloride	
<input type="checkbox"/>	Chloride Sulfate TDS	
<input type="checkbox"/>	General Water Chemistry (see attached list)	
<input type="checkbox"/>	Anion/Cation Balance	
<input type="checkbox"/>	Hold	

ORIGINAL COPY

Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-6650-1
SDG Number: Lea County NM

Login Number: 6650
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	

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Login Sample Receipt Checklist

Client: Tetra Tech Inc

Job Number: 890-6650-1
SDG Number: Lea County NM

Login Number: 6650
List Number: 2
Creator: Johnson, Allison

List Source: Eurofins Midland
List Creation: 05/15/24 08:42 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.	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	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 16, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OSPREY LAY FLAT

Enclosed are the results of analyses for samples received by the laboratory on 05/15/24 13:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 16 (H242681-01)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	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	704	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 17 (H242681-02)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 71.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 20 (H242681-03)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 21 (H242681-04)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 24 (H242681-05)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 25 (H242681-06)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 26 (H242681-07)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	05/16/2024	ND	416	104	400	7.41	

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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 27 (H242681-08)

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	05/15/2024	ND	1.95	97.6	2.00	1.20	
Toluene*	<0.050	0.050	05/15/2024	ND	2.06	103	2.00	1.34	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	2.08	104	2.00	1.50	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	6.42	107	6.00	1.17	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/16/2024	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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 37 (9.5') (H242681-09)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699		
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	05/16/2024	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	05/15/2024	ND	186	93.2	200	2.30		
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26		
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND						

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 38 (9.5') (H242681-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	05/16/2024	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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 39 (9.5') (H242681-11)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699		
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 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	2280	16.0	05/16/2024	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	05/15/2024	ND	186	93.2	200	2.30		
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26		
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND						

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 40 (9.5') (H242681-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	05/16/2024	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	05/15/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 41 (9.5') (H242681-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 42 (9.5') (H242681-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 43 (9.5') (H242681-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 44 (9.5') (H242681-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/14/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 58 (9.5') (H242681-17)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699		
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30		
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26		
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND						

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 51 (4.0') (H242681-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	2080	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 52 (4.0') (H242681-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7280	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 53 (4.0') (H242681-20)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	05/16/2024	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	05/16/2024	ND	186	93.2	200	2.30	
DRO >C10-C28*	<10.0	10.0	05/16/2024	ND	190	94.9	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	05/16/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 54 (4.0') (H242681-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699	
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549	
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495	
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402	
Total BTEX	<0.300	0.300	05/15/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 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	1920	16.0	05/16/2024	ND	432	108	400	3.64	

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	05/15/2024	ND	180	90.1	200	0.0200	
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	172	86.1	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/15/2024	Sampling Date:	05/15/2024
Reported:	05/16/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 55 (4.0') (H242681-22)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/15/2024	ND	1.92	95.9	2.00	0.699		
Toluene*	<0.050	0.050	05/15/2024	ND	1.89	94.6	2.00	0.549		
Ethylbenzene*	<0.050	0.050	05/15/2024	ND	1.91	95.6	2.00	0.495		
Total Xylenes*	<0.150	0.150	05/15/2024	ND	5.53	92.2	6.00	0.402		
Total BTEX	<0.300	0.300	05/15/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4720	16.0	05/16/2024	ND	432	108	400	3.64		

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	05/15/2024	ND	180	90.1	200	0.0200		
DRO >C10-C28*	<10.0	10.0	05/15/2024	ND	172	86.1	200	2.36		
EXT DRO >C28-C36	<10.0	10.0	05/15/2024	ND						

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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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

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 882-4559
Fax (432) 882-3946

Client Name: EOG Site Manager: Brittany Long

Project Name: Osprey Lay Flat Project #: brittany.long@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-03477

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Cardinal Labs Sampler Signature: Miguel Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)	
		DATE	TIME	WATER	SOIL	HCL	HNO ₃	ICE			None
✓ 14	SW-16	5/14/2024		X		X					
✓ 15	SW-17	5/14/2024		X		X					
✓ 16	SW-20	5/14/2024		X		X					
✓ 17	SW-21	5/14/2024		X		X					
✓ 18	SW-24	5/14/2024		X		X					
✓ 19	SW-25	5/14/2024		X		X					
✓ 20	SW-26	5/14/2024		X		X					
✓ 21	SW-27	5/14/2024		X		X					
✓ 22	BH-37 (9.5')	5/14/2024		X		X					
✓ 23	BH-38 (9.5')	5/14/2024		X		X					

LAB USE ONLY	REMARKS:
<input type="checkbox"/> Standard TAT <input checked="" type="checkbox"/> RUSH: Same Day 24 hr <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report	BTEX 8021B BTEX 8260B TPH TX1005 (Ext to C35) TPH 8015M (GRO - DRO - ORO) PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg TCLP Volatiles TCLP Semi Volatiles RCI GC/MS Vol. 8260B / 624 GC/MS Semi. Vol. 8270C/625 PCB's 8082 / 608 NORM PLM (Asbestos) Chloride Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance Hold

ORIGINAL COPY

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

9011W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 882-4559
Fax (432) 882-3946

Client Name: EOG
 Project Name: Osprey Lay Flat
 Project Location: Lea County, NM
 Invoice to: ATTN: James Kennedy
 Receiving Laboratory: Cardinal Labs
 Site Manager: Brittany Long
 Project #: 212C-MD-03477
 Sampler Signature: Miguel Flores

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)	ANALYSIS REQUEST (Circle or Specify Method No.)
		YEAR: 2024	DATE	TIME	WATER	SOIL	HCL			
11	BH-39 (9.5')		5/14/2024		X		X			BTEX 8021B BTEX 8260B
12	BH-40 (9.5')		5/14/2024		X		X			TPH TX1005 (Ext to C35)
13	BH-41 (9.5')		5/14/2024		X		X			TPH 8015M (GRO - DRO - ORO)
14	BH-42 (9.5')		5/14/2024		X		X			PAH 8270C
15	BH-43 (9.5')		5/14/2024		X		X			Total Metals Ag As Ba Cd Cr Pb Se Hg
16	BH-44 (9.5')		5/14/2024		X		X			TCLP Metals Ag As Ba Cd Cr Pb Se Hg
17	BH-58 (9.5')		5/14/2024		X		X			TCLP Volatiles
										TCLP Semi Volatiles
										RCI
										GC/MS Vol. 8260B / 624
										GC/MS Semi. Vol. 8270C/625
										PCB's 8082 / 608
										NORM
										PLM (Asbestos)
										Chloride
										Chloride Sulfate TDS
										General Water Chemistry (see attached list)
										Anion/Cation Balance
										Hold

Relinquished by: Miguel A Flores
 Date: _____ Time: _____

Received by: *OPAWOOS*
 Date: 5/15/24 Time: 1301

Relinquished by: _____ Date: _____ Time: _____

Received by: _____ Date: _____ Time: _____

LAB USE ONLY

REMARKS:
 Standard TAT
 RUSH: Same Day 24 hr 48 hr 72 hr
 Rush Charges Authorized
 Special Report Limits or TRRP Report

140 #

(Circle) HAND DELIVERED FEDEX UPS Tracking # _____

ORIGINAL COPY

Page 26 of 27



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

1 of 1

BILL TO

ANALYSIS REQUEST

Company Name: **EOG**
 Project Manager: **Bridney Long**
 Address: _____ State: _____ Zip: _____
 City: _____
 Phone #: _____ Fax #: _____
 Project #: **212C-WP-0347Z** Project Owner: _____
 Project Location: **Dg/ry Hwy F&L**
 Sampler Name: _____
 P.O. #: _____
 Company: **EOG**
 Attn: **Jess Kennedy**
 Address: _____
 City: _____
 State: _____ Zip: _____
 Phone #: _____ Fax #: _____

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H242081	BH-51 (4.0)	C	1	X						5/15/24		+ BTEX 8021 B 9260 B
19	BH-52 (4.0)	C	1	X								+ TPH 8015 M (GRO-DRO-ORO)
20	BH-53 (4.0)	C	1	X								+ Chloride
21	BH-54 (4.0)	C	1	X								
22	BH-55 (4.0)	C	1	X								

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Relinquished By: **[Signature]** Date: **5/15/24** Received By: **APD** Date: **5/15/24**
 Relinquished By: _____ Date: _____ Received By: _____ Date: _____

Delivered By: (Circle One) Observed Temp. °C: **18.6** Sample Condition: Cool Intact Yes No
 Corrected Temp. °C: _____
 Turnaround Time: _____ Standard Rush
 Thermometer ID #140 Correction Factor 0°C: _____ Bacteria (only) Sample Condition: Cool Intact Yes No Yes No
 Observed Temp. °C: _____ Corrected Temp. °C: _____

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabsnm.com



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OSPREY LAY FLAT

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 18 A (0'-4.0') (H242780-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	592	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	198	98.8	200	3.07	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	183	91.7	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 19 A (0'-4.0') (H242780-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 22 (H242780-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 23 (4-9.5') (H242780-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 28 (H242780-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 29 (H242780-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 30 (H242780-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 31 (H242780-08)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847		
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/21/2024	ND	432	108	400	3.64		

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	05/21/2024	ND	183	91.7	200	1.74		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 32 (H242780-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 33 (H242780-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 34 (H242780-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 35 (H242780-12)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 36 (H242780-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 37 (H242780-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 38 (H242780-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 39 (H242780-16)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 40 (H242780-17)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 45 (9.5') (H242780-18)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 46 (9.5') (H242780-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847	
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	05/21/2024	ND	432	108	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 47 (9.5') (H242780-20)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	2.05	102	2.00	0.847		
Toluene*	<0.050	0.050	05/21/2024	ND	2.13	107	2.00	1.85		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	2.11	105	2.00	2.44		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	6.48	108	6.00	1.82		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	05/21/2024	ND	448	112	400	3.64	QM-07	

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	05/21/2024	ND	183	91.7	200	1.74		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 48 (9.5') (H242780-21)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3160	16.0	05/21/2024	ND	448	112	400	3.64	

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	05/21/2024	ND	183	91.7	200	1.74	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	199	99.7	200	0.429	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 49 (9.5') (H242780-22)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	05/21/2024	ND	448	112	400	3.64	

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	05/21/2024	ND	196	97.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 50 (9.5') (H242780-23)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/21/2024	ND	448	112	400	3.64		

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	05/21/2024	ND	196	97.9	200	2.32		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 56 (4.0') (H242780-24)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	05/21/2024	ND	448	112	400	3.64		

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	05/21/2024	ND	196	97.9	200	2.32		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 57 (4.0') (H242780-25)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	05/21/2024	ND	448	112	400	3.64		

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	05/21/2024	ND	196	97.9	200	2.32		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 59 (9.5') (H242780-26)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	05/21/2024	ND	448	112	400	3.64	

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	05/21/2024	ND	196	97.9	200	2.32	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 60 (9.5') (H242780-27)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	05/21/2024	ND	448	112	400	3.64		

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	05/21/2024	ND	196	97.9	200	2.32		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: BH - 24 (4.0') (H242780-28)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	05/21/2024	ND	448	112	400	3.64		

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	05/21/2024	ND	196	97.9	200	2.32		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	214	107	200	1.42		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Britiany Long

Project Name: Osprey Lay Flat Project #: 212C-MD-03477

Project Location: Lea County, NM Project #: 212C-MD-03477

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Cardinal Labs Sampler Signature: Miguel Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
1	SW-18 A (0'-4.0')	5/20/2024		X		X		X	
2	SW-19 A (0'-4.0')	5/20/2024		X		X		X	
3	SW-22	5/20/2024		X		X		X	
4	SW-23 (4-9.5') M.F. 5/21/24	5/20/2024		X		X		X	
5	SW-28	5/20/2024		X		X		X	
6	SW-29	5/20/2024		X		X		X	
7	SW-30	5/20/2024		X		X		X	
8	SW-31	5/20/2024		X		X		X	
9	SW-32	5/20/2024		X		X		X	
10	SW-33	5/20/2024		X		X		X	

Relinquished by: Miguel A Flores Date: Time: Received by: Britiany Long Date: 5/20/24 Time: 1015

Relinquished by: Date: Time: Received by: Date: Time:

Relinquished by: Date: Time: Received by: Date: Time:

ORIGINAL COPY

ANALYSIS REQUEST (Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B	<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	<input type="checkbox"/>	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)	<input type="checkbox"/>	
<input type="checkbox"/>	PAH 8270C	<input type="checkbox"/>	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Semi Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	RCI	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	<input type="checkbox"/>	
<input type="checkbox"/>	PCB's 8082 / 608	<input type="checkbox"/>	
<input type="checkbox"/>	NORM	<input type="checkbox"/>	
<input type="checkbox"/>	PLM (Asbestos)	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride Sulfate TDS	<input type="checkbox"/>	
<input type="checkbox"/>	General Water Chemistry (see attached list)	<input type="checkbox"/>	
<input type="checkbox"/>	Anion/Cation Balance	<input type="checkbox"/>	
<input type="checkbox"/>	Hold	<input type="checkbox"/>	

(Circle) HAND DELIVERED FEDEX UPS Tracking #

#140

49°C

LAB USE ONLY

REMARKS: Standard TAT RUSH: Same Day 24 hr 48 hr 72 hr Rush Charges Authorized Special Report Limits or TRRP Report

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG		Site Manager: Brittany Long	
Project Name: Osprey Lay Flat		Project #: brittany.long@tetratech.com	
Project Location: (county, state) Lea County, NM		212C-MD-03477	
Invoice to: ATTN: James Kennedy		Sampler Signature: Miguel Flores	
Receiving Laboratory: Cardinal Labs		Miguel Flores	
Comments:			

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX		PRESERVATIVE METHOD				# CONTAINERS	FILTERED (Y/N)
		YEAR	2024			WATER	SOIL	HCL	HNO ₃	ICE	None		
11	SW-34			5/20/2024		X	X	X	X	X			X
12	SW-35			5/20/2024		X	X	X	X	X			X
13	SW-36			5/20/2024		X	X	X	X	X			X
14	SW-37			5/20/2024		X	X	X	X	X			X
15	SW-38			5/20/2024		X	X	X	X	X			X
16	SW-39			5/20/2024		X	X	X	X	X			X
17	SW-40			5/20/2024		X	X	X	X	X			X
18	BH-45 (9.5')			5/20/2024		X	X	X	X	X			X
19	BH-46 (9.5')			5/20/2024		X	X	X	X	X			X
20	BH-47 (9.5')			5/20/2024		X	X	X	X	X			X

LAB USE ONLY	REMARKS:
Standard TAT	
<input checked="" type="checkbox"/> RUSH: Same Day	
Rush Charges Authorized	
Special Report Limits or TRRP Report	

ANALYSIS REQUEST (Circle or Specify Method No.)	
BTEX 8021B BTEX 8260B	
TPH TX1005 (Ext to C35)	
TPH 8015M (GRO - DRO - ORO)	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Volatiles	
TCLP Semi Volatiles	
RCI	
GC/MS Vol. 8260B / 624	
GC/MS Semi. Vol. 8270C/625	
PCB's 8082 / 608	
NORM	
PLM (Asbestos)	
Chloride	
Chloride Sulfate TDS	
General Water Chemistry (see attached list)	
Anion/Cation Balance	
Hold	

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #

#140
41.9°C
LAB USE ONLY
REMARKS:
Standard TAT
 RUSH: Same Day 24 hr 48 hr 72 hr
Rush Charges Authorized
Special Report Limits or TRRP Report

Analysis Request of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4599
Fax (432) 682-3946

Client Name: EOG Site Manager: Brittany Long

Project Name: Osprey Lay Flat Project #: brittanylong@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-03477

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Cardinal Labs Sampler Signature: Miguel Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		DATE	TIME	MATRIX		PRESERVATIVE METHOD			# CONTAINERS	FILTERED (Y/N)
		YEAR: 2024				WATER	SOIL	HCL	HNO ₃	ICE		
21	BH-48 (9.5')			5/20/2024		X		X				
22	BH-49 (9.5')			5/20/2024		X		X				
23	BH-50 (9.5')			5/20/2024		X		X				
24	BH-56 (4.0')			5/20/2024		X		X				
25	BH-57 (4.0')			5/20/2024		X		X				
26	BH-59 (9.5')			5/20/2024		X		X				
27	BH-60 (9.5')			5/20/2024		X		X				
28	BH-24 (4.0')			5/20/2024		X		X				

Relinquished by: Miguel A Flores Date: Time: Received by: [Signature] Date: 10/5 Time: 10:55

Relinquished by: Date: Time: Received by: Date: Time: Sample Temperature: 4.9°C

Relinquished by: Date: Time: Received by: Date: Time: #140

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input type="checkbox"/>	BTEX 8021B	<input type="checkbox"/>	BTEX 8260B
<input type="checkbox"/>	TPH TX1005 (Ext to C35)	<input type="checkbox"/>	
<input type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)	<input type="checkbox"/>	
<input type="checkbox"/>	PAH 8270C	<input type="checkbox"/>	
<input type="checkbox"/>	Total Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	TCLP Semi Volatiles	<input type="checkbox"/>	
<input type="checkbox"/>	RCI	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Vol. 8260B / 624	<input type="checkbox"/>	
<input type="checkbox"/>	GC/MS Semi. Vol. 8270C/625	<input type="checkbox"/>	
<input type="checkbox"/>	PCB's 8082 / 608	<input type="checkbox"/>	
<input type="checkbox"/>	NORM	<input type="checkbox"/>	
<input type="checkbox"/>	PLM (Asbestos)	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride	<input type="checkbox"/>	
<input type="checkbox"/>	Chloride Sulfate TDS	<input type="checkbox"/>	
<input type="checkbox"/>	General Water Chemistry (see attached list)	<input type="checkbox"/>	
<input type="checkbox"/>	Anion/Cation Balance	<input type="checkbox"/>	
<input type="checkbox"/>	Hold	<input type="checkbox"/>	

LAB USE ONLY

REMARKS:

Standard TAT

RUSH: Same Day / 24 hr / 48 hr / 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #

ORIGINAL COPY



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 29, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OSPREY LAY FLAT

Enclosed are the results of analyses for samples received by the laboratory on 05/28/24 9:51.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/28/2024	Sampling Date:	05/28/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 16 (H242937-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2024	ND	2.04	102	2.00	0.339	
Toluene*	<0.050	0.050	05/28/2024	ND	2.04	102	2.00	0.501	
Ethylbenzene*	<0.050	0.050	05/28/2024	ND	2.00	99.9	2.00	0.802	
Total Xylenes*	<0.150	0.150	05/28/2024	ND	6.27	105	6.00	0.765	
Total BTEX	<0.300	0.300	05/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	192	16.0	05/28/2024	ND	416	104	400	7.41	

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	05/28/2024	ND	210	105	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/28/2024	ND	201	101	200	0.0691	
EXT DRO >C28-C36	<10.0	10.0	05/28/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/28/2024	Sampling Date:	05/28/2024
Reported:	05/29/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Alyssa Parras
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 29 (H242937-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/28/2024	ND	2.04	102	2.00	0.339	
Toluene*	<0.050	0.050	05/28/2024	ND	2.04	102	2.00	0.501	
Ethylbenzene*	<0.050	0.050	05/28/2024	ND	2.00	99.9	2.00	0.802	
Total Xylenes*	<0.150	0.150	05/28/2024	ND	6.27	105	6.00	0.765	
Total BTEX	<0.300	0.300	05/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	05/28/2024	ND	416	104	400	7.41	

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	05/28/2024	ND	210	105	200	1.75	
DRO >C10-C28*	<10.0	10.0	05/28/2024	ND	201	101	200	0.0691	
EXT DRO >C28-C36	<10.0	10.0	05/28/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OSPREY LAY FLAT

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 18 (H242779-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 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	4800	16.0	05/21/2024	ND	432	108	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	05/21/2024	ND	198	98.8	200	3.07	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	183	91.7	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/20/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 19 (H242779-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58		
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26		
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25		
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98		
Total BTEX	<0.300	0.300	05/21/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2640	16.0	05/21/2024	ND	432	108	400	3.64	QM-07	

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	05/21/2024	ND	198	98.8	200	3.07		
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	183	91.7	200	5.12		
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- 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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

901W Wall Street, Ste 100
Midland, Texas 79705
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: EOG Site Manager: Britiany Long

Project Name: Osprey Lay Flat Project #: britiany.long@tetratech.com

Project Location: Lea County, NM Project #: 212C-MD-03477

Invoice to: ATTN: James Kennedy

Receiving Laboratory: Cardinal Labs Sampler Signature: Miguel Flores

Comments:

LAB # (LAB USE ONLY)	SAMPLE IDENTIFICATION	SAMPLING		MATRIX		PRESERVATIVE METHOD		# CONTAINERS	FILTERED (Y/N)
		DATE	TIME	WATER	SOIL	HCL	HNO ₃		
1	SW-18	5/20/2024		X			X		X
2	SW-19	5/20/2024		X			X		X

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Miguel A Flores			Juanita Martinez	10/15	10:15

ORIGINAL COPY

ANALYSIS REQUEST
(Circle or Specify Method No.)

<input checked="" type="checkbox"/>	BTEX 8021B	<input checked="" type="checkbox"/>	BTEX 8260B
<input checked="" type="checkbox"/>	TPH TX1005 (Ext to C35)	<input checked="" type="checkbox"/>	TPH 8015M (GRO - DRO - ORO)
<input checked="" type="checkbox"/>	PAH 8270C		Total Metals Ag As Ba Cd Cr Pb Se Hg
<input checked="" type="checkbox"/>	TCLP Metals Ag As Ba Cd Cr Pb Se Hg		TCLP Volatiles
<input checked="" type="checkbox"/>	TCLP Semi Volatiles		RCI
<input checked="" type="checkbox"/>	GC/MS Vol. 8260B / 624		GC/MS Semi. Vol. 8270C/625
<input checked="" type="checkbox"/>	PCB's 8082 / 608		NORM
<input checked="" type="checkbox"/>	PLM (Asbestos)		Chloride
<input checked="" type="checkbox"/>	Chloride	<input checked="" type="checkbox"/>	Chloride Sulfate TDS
<input checked="" type="checkbox"/>	General Water Chemistry (see attached list)		Anion/Cation Balance
<input checked="" type="checkbox"/>	Hold		

LAB USE ONLY

Sample Temperature: 4.9°C

#1440

REMARKS:

Standard TAT

RUSH: Same Day 24 hr 48 hr 72 hr

Rush Charges Authorized

Special Report Limits or TRRP Report

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

May 22, 2024

BRITTANY LONG

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: OSPREY LAY FLAT

Enclosed are the results of analyses for samples received by the laboratory on 05/21/24 10:16.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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 accredited 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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/21/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 16 (H242778-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 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	608	16.0	05/21/2024	ND	432	108	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	05/21/2024	ND	198	98.8	200	3.07	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	183	91.7	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

TETRA TECH
 BRITTANY LONG
 901 WEST WALL STREET , STE 100
 MIDLAND TX, 79701
 Fax To: (432) 682-3946

Received:	05/21/2024	Sampling Date:	05/21/2024
Reported:	05/22/2024	Sampling Type:	Soil
Project Name:	OSPREY LAY FLAT	Sampling Condition:	Cool & Intact
Project Number:	212C - MD - 03477	Sample Received By:	Tamara Oldaker
Project Location:	EOG - LEA CO NM		

Sample ID: SW - 26 (H242778-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2024	ND	1.97	98.6	2.00	1.58	
Toluene*	<0.050	0.050	05/21/2024	ND	1.95	97.3	2.00	2.26	
Ethylbenzene*	<0.050	0.050	05/21/2024	ND	1.98	99.0	2.00	2.25	
Total Xylenes*	<0.150	0.150	05/21/2024	ND	5.72	95.4	6.00	1.98	
Total BTEX	<0.300	0.300	05/21/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	05/21/2024	ND	432	108	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	05/21/2024	ND	198	98.8	200	3.07	
DRO >C10-C28*	<10.0	10.0	05/21/2024	ND	183	91.7	200	5.12	
EXT DRO >C28-C36	<10.0	10.0	05/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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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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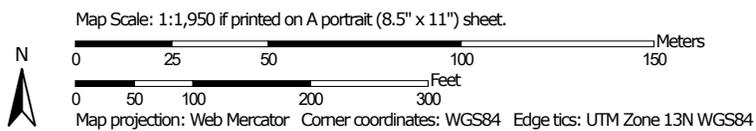
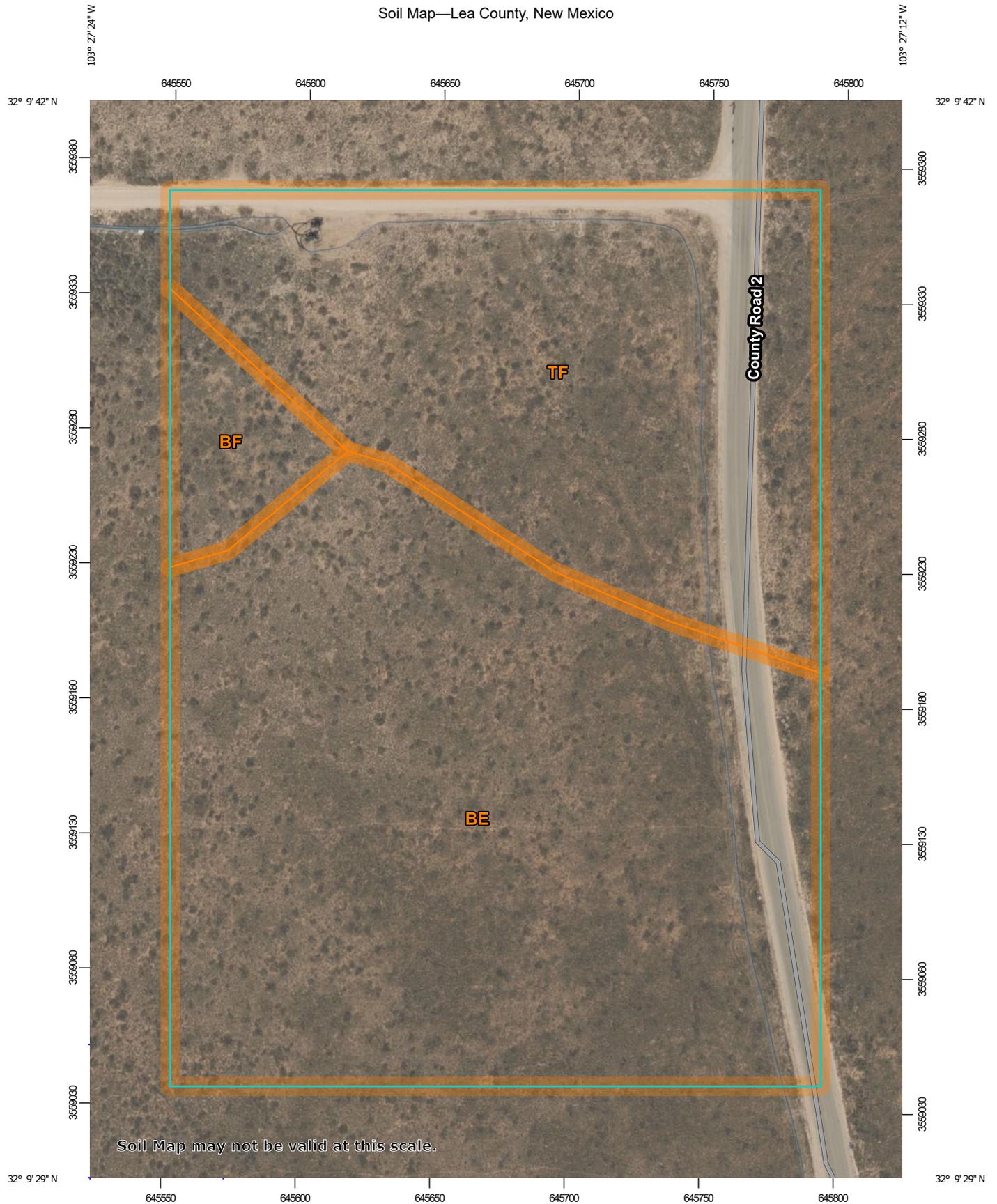
Celey D. Keene, Lab Director/Quality Manager



Appendix D

Soil Survey Data

Soil Map—Lea County, New Mexico



Natural Resources Conservation Service

Web Soil Survey National Cooperative Soil Survey

10/17/2024 Page 1 of 3

Soil Map—Lea County, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

-  Blowout
-  Borrow Pit
-  Clay Spot
-  Closed Depression
-  Gravel Pit
-  Gravelly Spot
-  Landfill
-  Lava Flow
-  Marsh or swamp
-  Mine or Quarry
-  Miscellaneous Water
-  Perennial Water
-  Rock Outcrop
-  Saline Spot
-  Sandy Spot
-  Severely Eroded Spot
-  Sinkhole
-  Slide or Slip
-  Sodic Spot

-  Spoil Area
-  Stony Spot
-  Very Stony Spot
-  Wet Spot
-  Other
-  Special Line Features

Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
 Web Soil Survey URL:
 Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico
 Survey Area Data: Version 21, Sep 3, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Soil Map—Lea County, New Mexico

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	11.7	58.9%
BF	Berino-Cacique fine sandy loams association	0.9	4.6%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	7.3	36.5%
Totals for Area of Interest		19.9	100.0%

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Lea County, New Mexico

BE—Berino-Cacique loamy fine sands association

Map Unit Setting

National map unit symbol: dmpd
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 13 inches
Mean annual air temperature: 60 to 62 degrees F
Frost-free period: 190 to 205 days
Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent
Cacique and similar soils: 40 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Berino

Setting

Landform: Plains
Landform position (three-dimensional): Rise
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 6 inches: loamy fine sand
Btk - 6 to 60 inches: sandy clay loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 2.0
Available water supply, 0 to 60 inches: Moderate (about 8.7 inches)

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 12 inches: loamy fine sand

Bt - 12 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components

Maljamar

Percent of map unit: 6 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Map Unit Description: Berino-Cacique loamy fine sands association---Lea County, New Mexico

Palomas

Percent of map unit: 4 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 21, Sep 3, 2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS

Action 542294

QUESTIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2333071200
Incident Name	NAPP2333071200 OSPREY LAY FLAT RELEASE @ J-03-25S-34E
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
<i>Please answer all the questions in this group.</i>	
Site Name	OSPREY LAY FLAT RELEASE
Date Release Discovered	06/30/2020
Surface Owner	Federal

Incident Details	
<i>Please answer all the questions in this group.</i>	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
<i>Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.</i>	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Pipeline (Any) Produced Water Released: 1,000 BBL Recovered: 20 BBL Lost: 980 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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Oil Conservation Division
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QUESTIONS, Page 2

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	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	<i>Not answered.</i>

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 01/12/2026
----------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------

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1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	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)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
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 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	15900
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	05/06/2024
On what date will (or did) the final sampling or liner inspection occur	05/28/2024
On what date will (or was) the remediation complete(d)	05/28/2024
What is the estimated surface area (in square feet) that will be reclaimed	24681
What is the estimated volume (in cubic yards) that will be reclaimed	5771
What is the estimated surface area (in square feet) that will be remediated	24681
What is the estimated volume (in cubic yards) that will be remediated	5771

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, Page 4

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	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	fJEG1635837366 OWL LANDFILL JAL
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)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

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: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 01/12/2026
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 5

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	347215
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/28/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	400

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	24681
What was the total volume (cubic yards) remediated	5771
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	24681
What was the total volume (in cubic yards) reclaimed	5771
Summarize any additional remediation activities not included by answers (above)	na

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: Todd Wells Title: Safety and Environmental Specialist Email: Todd_Wells@eogresources.com Date: 01/12/2026
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QUESTIONS, Page 7

Action 542294

QUESTIONS (continued)

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
<i>Only answer the questions in this group if all reclamation steps have been completed.</i>	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 542294

CONDITIONS

Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706	OGRID: 7377
	Action Number: 542294
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	1/16/2026