Page 1 of 463

Incident ID	NAPP2121527498
District RP	Artesia
Facility ID	
Application ID	nAPP2121527498

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following is	tems must be included in the closure report.
☐ A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Alex Shepherd, REM	Title: Environmental Manager
Signature: Alex Shepherd, RM	Date: <u>5/4/23</u>
email: alex.shepherd@westernmidstream.com	Telephone: 903-690-3758
OCD Only	07/01/0000
Received by: Jocelyn Harimon	Date:05/04/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: 9/21/2023
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced



May 4, 2023

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

RE: Closure Report
Western Midstream
Red Hills Phase 2 and Phase 3
Eddy County, New Mexico
nAPP2121527498 and nAPP2121527146

Oil Conservation Division:

Tetra Tech, Inc. (Tetra Tech) was contracted by Western Midstream to assess a release that occurred at the Red Hills Phase 2 and Phase 3, Section 23, Township 26 South, Range 29 East, Eddy County, New Mexico (Site). The spill site coordinates are 32.006074°, -103.90745°. The site location is shown on **Figures 1 and 2**.

Background

Two releases occurred at the Red Hills Midstream produced water pipeline. According to C-141 documentation, the first release (Incident ID 39490), caused by internal corrosion of the pipeline, was discovered on July 10, 2021, and resulted in the release of 3.94 barrels (bbls) of condensate onto the ground along the pipeline Right of Way (ROW), of which no free liquids were recovered. A second release (Incident ID 39488), also caused by internal corrosion of the pipeline, was discovered on August 2, 2021, and resulted in the release of 0.68 bbls of condensate onto the pipeline ROW, of which no free liquids were recovered. Upon commencement of field activities, historical chloride impact was discovered. C-141 documentation and New Mexico Oil Conservation Division (NMOCD) correspondence is included in **Appendix A**.

Western's contractor, Stingray Environmental and Construction (Stingray), conducted the initial site assessment and remediation activities from August 17, 2021 to August 21, 2021. A closure report was submitted to the NMOCD on in March of 2022, and was rejected due to insufficient sample quantity and incorrect BTEX sampling method. In April of 2022, a second closure report was submitted to the NMOCD following excavation and re-sampling activities. The second report was also rejected due to insufficient sampling and missing chloride and BTEX data for all of the samples submitted. Stingray's Closure Reports are presented as **Appendix B.**



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 is one stream located approximately 0.4 miles northwest of the Site. There were no playas, lakebeds, sinkholes, springs, wetlands, subsurfaces mines, private domestic water wells, or floodplains located within the specified distances. Additionally, the Site is located in a medium karst area. The NFHL Map, USGS Mapper, and NMOSE data are shown in **Appendix C**.

Significant Boundaries

According to Google Earth US Government City Boundaries and US School Districts, the lateral extents of the release were not within incorporated municipal boundaries, defined municipal fresh water well fields, 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. There is one Point of Diversion (POD) identified within a 0.5 mile radius of the Site. Well number C 02038 is an active well located approximately 0.46 miles from the site that was drilled to a total depth of 200 ft bgs on September 5, 1982, with no measured water depth recorded. USGS Well number 320106103555301 is located approximately 1.21 miles from the site and reported depth to water of 53.46 ft bgs. C 04653 POD 5, located approximately 1.61 from the site was drilled to a total depth of 72 ft bgs on July 26, 2022, with a measured water depth of 67 ft bgs. C 04653 POD 6, located approximately 1.61 from the site was drilled to a total depth of 74 ft bgs on July 25. 2022, with a measured water depth of 67 ft bgs. C 03605 POD 1, located approximately 1.76 from the site was drilled to a total depth of 45 ft bgs on January 28, 2013, no groundwater was encountered during the drilling of this well. Johnson #4-1, located approximately 1.82 miles from the site was drilled to a total depth of 255 ft bgs on February 28, 2014, with a measured water depth of 58 ft bgs. Johnson #4-2, located approximately 1.82 miles from the site was drilled to a total depth of 303 ft bgs on March 5, 2014, with a measured water depth of 81 ft bgs. POD records are presented in **Appendix C**.

Well ID	Distance from Site (Miles)	Date of Data	Resource of Information	Depth of Well	Depth to Water
C 02038	0.46	9/5/1982	NMOSE	200	Not Listed
320106103555301	1.21	2/24/2021	USGS	140'	53.46'
C 04653 POD 5	1.61	7/26/2022	NMOSE	72'	67'
C 04653 POD 6	1.61	7/25/2022	NMOSE	74'	67'



C 03605 POD 1	1.76	1/28/2013	NMOSE	45'	None
Johnson #4-1	1.82	2/28/2014	TWDB	255'	58'
Johnson #4-2	1.82	3/5/2014	TWDB	303'	81'

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 the Recommended Remedial Action Levels (RRALs) for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) and total petroleum hydrocarbons (TPH) in soil. Based on the site characterization, the proposed RRAL for benzene was determined to be 10 milligrams per kilogram (mg/kg), 50 mg/kg for total BTEX, 100 mg/kg TPH (GRO+DRO+ORO) and 600 mg/kg for chlorides.

Delineation Sampling Activities

On October 3, 2022, Tetra Tech collected additional confirmation samples within the backfilled excavation area in order to determine if the area was remediated to NMAC 19.15.29 Table 1 standards. A total of twenty nine (29) soil borings were installed to the excavation depths listed in the August 11, 2022, Closure Report prepared by Stingray. Previously excavated depths ranged from 2.5 ft bgs to 6.0 ft bgs. The soil boring bottoms (CS-1 through CS-5) were collected as five point composite samples by taking samples at depths ranging from 4 ft bgs to 6 ft bgs representing the previous excavation bottom. Sidewall soil borings (ESW-1, WSW-1, NSW-1, NSW-2, NSW-3, NSW-4, NSW-5, SSW-1, SSW-2, SSW-3, SSW-4 and SSW-5) were installed to depths ranging from 4.5 ft bgs to 6.5 ft bgs and samples were collected in 1-foot intervals to achieve an accurate representation of the previously excavated sidewalls. On March 1, 2023, soil borings ESW-1-2 and SSW-5-2 were installed and collected as a representative composite sample of 1-foot intervals from ground surface to 6.5 ft bgs in an attempt to demonstrate that chloride levels in these areas were below NMOCD RRALs. Analytical results from the October 3, 2022 and March 1, 2023, delineation sampling events are presented as **Table 1**. The delineation assessment map is shown on **Figure 3**.

Referring to Table 1, soil borings (CS-1, ESW-1, ESW-1-2, NSW-3, NSW-4, NSW-5 and SSW-5) indicated chloride concentrations above RRALs, with concentrations ranging from 608 mg/kg to 1,440 mg/kg, at depths ranging from ground surface to 6.5 ft bgs. Total TPH concentrations above NMOCD RRALs were detected in soil boring (NSW-3), exhibiting conentrations ranging from 109 mg/kg to 286 mg/kg at depths ranging from ground surface to 4.5 ft bgs. None of the soil boring samples collected reported benzene or BTEX concentrations above laboratory reporting limits.

Remediation Activities

Based on the results of the soil assessment, Tetra Tech and Stingray conducted remediation activities from March 1, 2023, through April 19, 2023. The northern wall of the previous excavation area was re-excavated as an approximately 100-foot long trench to depths ranging from 6.5 to 7 ft bgs. Additionally the west end of the previously excavated area was re-



excated to a depth of 6.5-feet to remove the contamination discovered at 6 ft bgs during the delineation activities conducted on October 3, 2022. The remediation areas and depths are shown on **Figure 4.** Photographic documentation of the excavated area is presented as **Appendix D**.

Confirmation bottom hole and sidewall samples were collected every 200 square feet. All confirmation samples were collected as a 5-point composite to ensure a representative sample of the full depth of the sidewalls and the entire floor of the excavation. A total of seven (7) bottom hole samples (BTM-1 through BTM-7) were collected and a total of thirty one (31) sidewall confirmation samples (SW-1 through SW-20, SW-3-2, SW-4-2, SW-6-2, SW-7-2, SW-7-3, SW-9-2, SW-9-3, SW-11-2, SW-13-2, SW-14-2 and SW-14-3) were collected to confirm removal of the impacted soil was achieved. The confirmation soil samples were submitted to the analytical laboratory to be analyzed for TPH method 8015 modified, BTEX method 8021B, and Chloride by EPA Method 300. The analytical results are summarized in **Table 2** and the analytical laboratory reports are included in **Appendix E**.

Referring to Table 2, all final confirmation samples indicated benzene, BTEX, TPH, and chloride concentrations were below the RRALs in all confirmation samples.

Conclusions

Based on the C-141s (nAPP2121527498 and nAPP2121527146) and information provided by Western, 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 14, 2018, the proposed RRALs were determined to be 10 milligrams per kilogram (mg/kg) for benzene, 50 mg/kg for total BTEX, 100 mg/kg TPH (GRO+DRO+ORO) and 600 mg/kg for chlorides.

Delineation activities conducted by Tetra Tech on October 3, 2022, indicated that contaminated soil was still present at the Site along the northern edge, west end, and east end of the previously remediated and backfilled area. Delineation soil borings (CS-1, ESW-1, ESW-1-2, NSW-3, NSW-4, NSW-5 and SSW-5) indicated chloride concentrations above RRALs, with concentrations ranging from 608 mg/kg to 1,440 mg/kg, at depths ranging from ground surface to 6.5 ft bgs. Total TPH concentrations above NMOCD RRALs were detected in soil boring (NSW-3), exhibiting conentrations ranging from 109 mg/kg to 286 mg/kg at depths ranging from ground surface to 4.5 ft bgs. None of the soil boring samples collected reported benzene or BTEX concentrations above laboratory reporting limits.

Following excavation of the impacted soils discovered during delineation activities, 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 removed according to the specified RRALs. An estimated 250 cubic yards of impacted soil was removed and properly disposed of at R360 Red Bluff disposal facility, and the area was backfilled with clean imported material from a local mine to surface grade. The analytical results indicated all confirmation samples reported below the RRALs for all constituents.



Based on the Site assessment data and remediation activities performed, Western requests closure of the release area. The final C-141 is included in **Appendix A**.

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

Respectfully submitted, TETRA TECH

John Faught, G.I.T. Project Manager Clair Gonzales, P.G. Senior Project Manager

Figures

Figure 1 - Site Overview Map

Figure 2 - Topographic Map

Figure 3 – Delineation Sample Location Map

Figure 4 – Confirmation Sample Location Map

Tables

Table 1 – Delineation Analytical Results

Table 2 - Confirmation Analytical Results

Appendices

Appendix A – C-141 and NMOCD Correspondence

Appendix B – Stingray Environmental and Construction Closure Reports

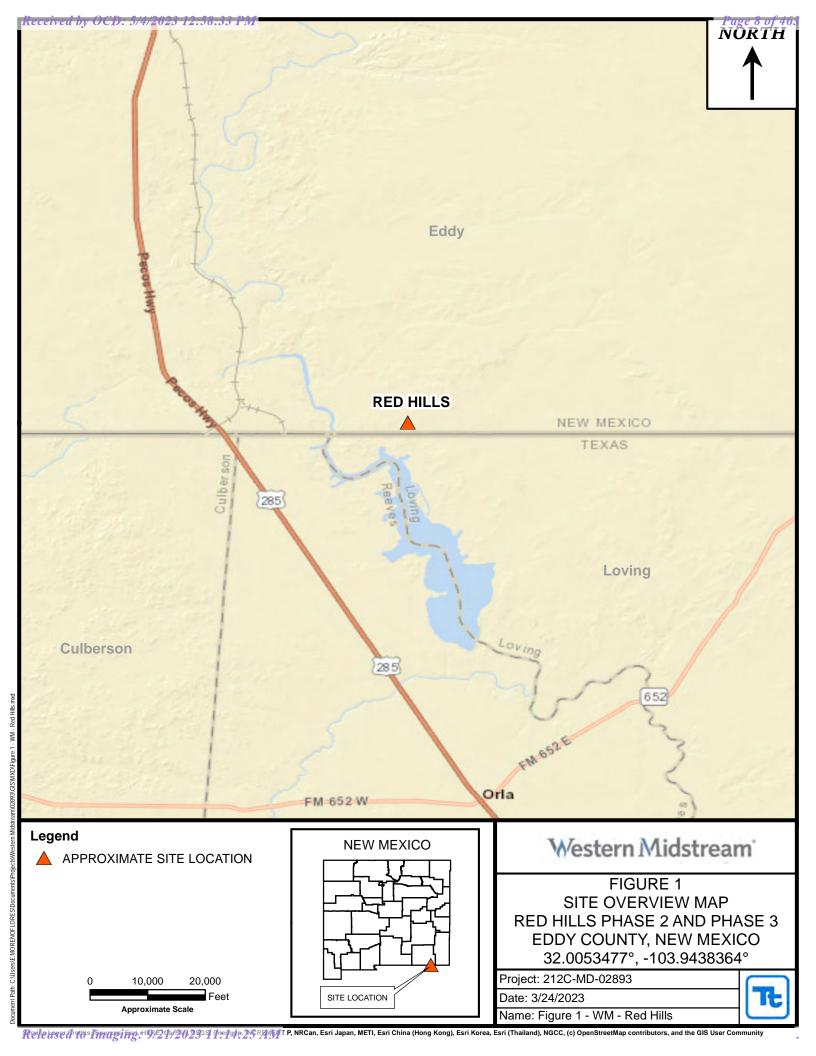
Appendix C – Site Characterization

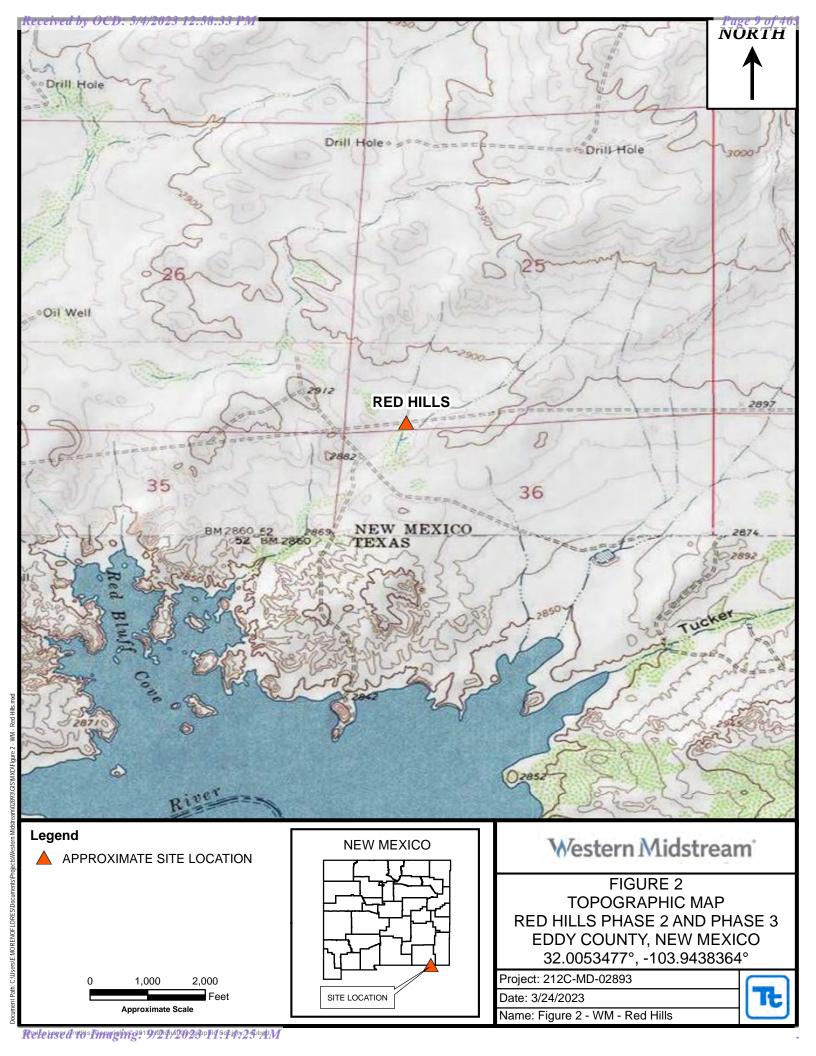
Appendix D – Photographic Documentation

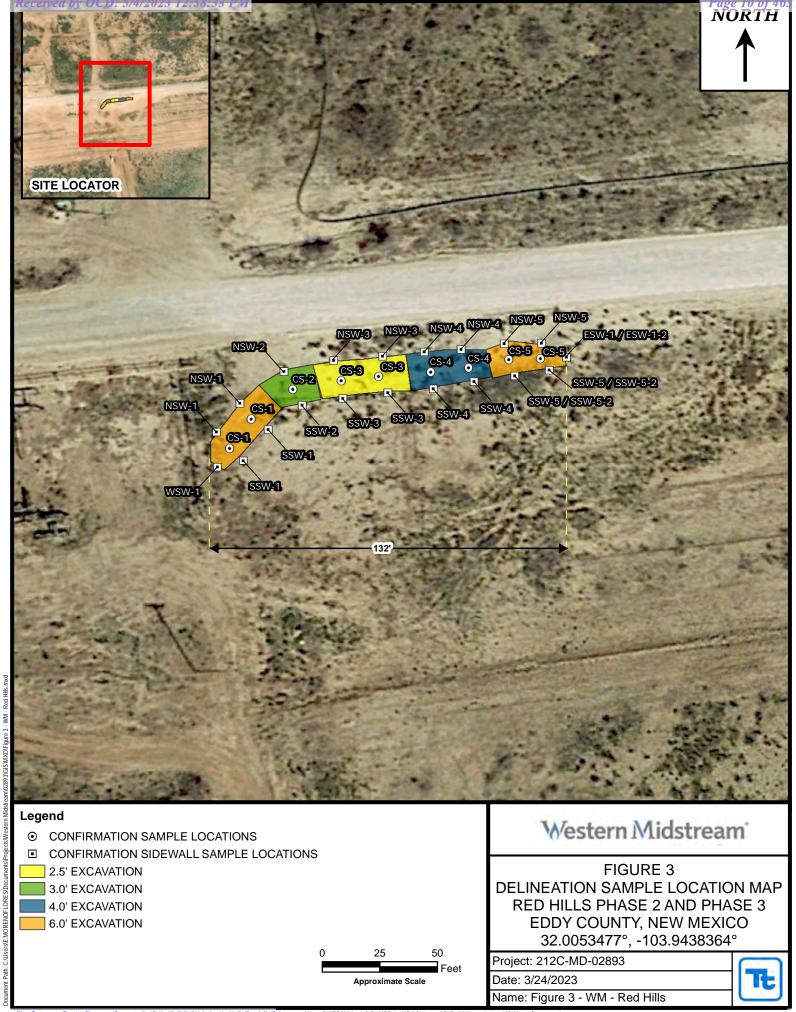
Appendix E - Analytical Laboratory Reports

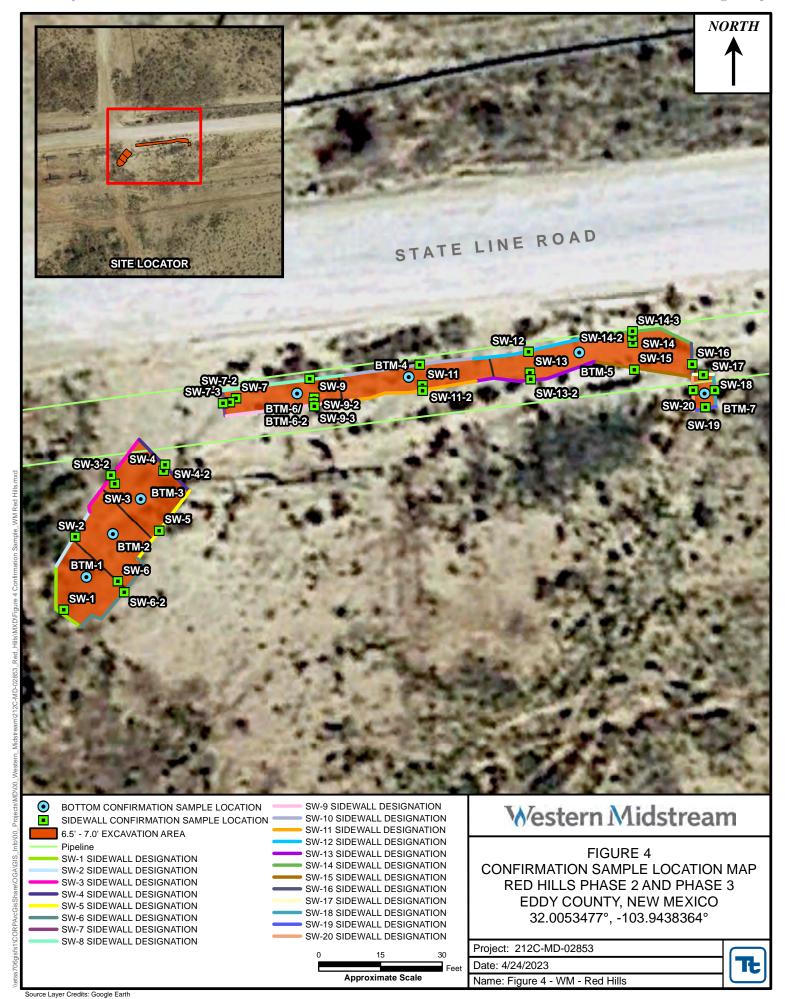


Figures











Tables

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Table 1
Delineation Analytical Results
Western Midstream
Red Hills Phase 2 and 3
Eddy County, New Mexico

0	Osmanla Data	Excavtion	Soil	Status		TPH (m	ng/kg)		Daniel de Marille	Talasana (m. 11/100)	Ethlybenzene	Volume (months)	Takal DTEV (see selle e)	Chloride
Sample ID	Sample Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	(mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	(mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
Composite Bottomhole Samples														
CS-1	10/3/2022	6	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	704
CS-2	10/3/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	10/3/2022	4-4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
CS-3	10/3/2022	3-3.5	X	-	<10.0	24.5	<10.0	24.5	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	10/3/2022	4-4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
CS-4	10/3/2022	4	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
CS-5	10/3/2022	6	Х	_	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	528
								Sidewalls	S					
	10/3/2022	0-1'	_	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1220
	10/3/2022	1-1.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	10/3/2022	2-2.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
ESW-1	10/3/2022	3-3.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	10/3/2022	4-4.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
	10/3/2022	5-5.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	10/3/2022	6-6.5		X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
ESW-1-2	3/1/2023	0-6.5'	-	Х	<49.9	<49.9	<49.9	<49.9	<0.00100	<0.00500	<0.00100	<0.00100	<0.00200	1310
	10/3/2022	0-1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	10/3/2022	1-1.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	10/3/2022	2-2.5	Х	-	<10.0	28.8	<10.0	28.8	<0.050	<0.050	<0.050	<0.150	<0.300	288
WSW-1	10/3/2022	3-3.5	X	-	<10.0	25.6	<10.0	25.6	<0.050	<0.050	<0.050	<0.150	<0.300	256
	10/3/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	10/3/2022	5-5.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	10/3/2022	6-6.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
	10/3/2022	0-1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
	10/3/2022	1-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
NSW-1	10/3/2022	3-3.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	352
	10/3/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	10/3/2022	5-5.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	256
	10/3/2022	6-6.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	224
	10/3/2022	0-1'	Х	-	<10.0	13.8	<10.0	13.8	<0.050	<0.050	<0.050	<0.150	<0.300	96.0
	10/3/2022	1-1.5	Х	-	<10.0	25.7	<10.0	25.7	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
NSW-2	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	10/3/2022	3-3.5	Х	-	<10.0	13.1	<10.0	13.1	<0.050	<0.050	<0.050	<0.150	<0.300	64.0
	10/3/2022	4-4.5	Х		<10.0	26.4	<10.0	26.4	<0.050	<0.050	<0.050	<0.150	< 0.300	80.0

Received by OCD: 5/4/2023 12:58:33 PM

Table 1
Delineation Analytical Results
Western Midstream
Red Hills Phase 2 and 3
Eddy County, New Mexico

			Coil	Status		TDU /m	a/l/a)							
Sample ID	Sample Date	Excavtion Depth (ft)	In-Situ	Removed	GRO	TPH (m	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
	10/3/2022	0-1'	-	Х	<10.0	230	55.6	286	<0.050	<0.050	<0.050	<0.150	<0.300	656
	10/3/2022	1-1.5	-	Х	<10.0	128	29.2	157.2	<0.050	<0.050	<0.050	<0.150	<0.300	608
NSW-3	10/3/2022	2-2.5	-	Х	<10.0	92	17.2	109	<0.050	<0.050	<0.050	<0.150	<0.300	560
	10/3/2022	3-3.5	-	Х	<10.0	117	15.9	132.9	<0.050	<0.050	<0.050	<0.150	<0.300	640
	10/3/2022	4-4.5	-	Х	<10.0	240	35.5	275.5	<0.050	<0.050	<0.050	<0.150	<0.300	656
	10/3/2022	0-1'	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
	10/3/2022	1-1.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,230
NSW-4	10/3/2022	2-2.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,440
	10/3/2022	3-3.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,330
	10/3/2022	4-4.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,340
	10/3/2022	0-1'	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,040
	10/3/2022	1-1.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
	10/3/2022	2-2.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
NSW-5	10/3/2022	3-3.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,040
	10/3/2022	4-4.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,070
	10/3/2022	5-5.5	-	Х	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,220
	10/3/2022	6-6.5	-	X	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	1,060
	10/3/2022	0-1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	32.0
	10/3/2022	1-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	48.0
	10/3/2022	2-2.5	Х	-	<10.0	<10.0	12.9	12.9	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
SSW-1	10/3/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	80.0
	10/3/2022	4-4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	10/3/2022	5-5.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
	10/3/2022	6-6.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	208
	10/3/2022	0-1'	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	192
	10/3/2022	1-1.5	Х	-	<10.0	10.9	<10.0	10.9	<0.050	<0.050	<0.050	<0.150	<0.300	160
SSW-2	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	10/3/2022	3-3.5	X	-	<10.0	17.8	<10.0	17.8	<0.050	<0.050	<0.050	<0.150	<0.300	176
	10/3/2022	4-4.5	X		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	10/3/2022	0-1'	Х	_	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	240
	10/3/2022	1-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
SSW-3	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	368
	10/3/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	272
	10/3/2022	4-4.5	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	288
	10/3/2022	0-1'	Х		<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144
	10/3/2022	1-1.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
SSW-4	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	128
	10/3/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	176
	10/3/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	144

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Table 1 **Delineation Analytical Results Western Midstream** Red Hills Phase 2 and 3 **Eddy County, New Mexico**

Sample ID	Sample Date	Excavtion Depth (ft)	Soil	Status		TPH (m	ıg/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
			In-Situ	Removed	GRO	DRO	MRO	Total			(mg/kg)			(mg/kg)
RRALs								100	10				50	600 mg/kg
INIALS								mg/kg	mg/kg				mg/kg	600 mg/kg
	10/3/2022	0-1'	X	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	176
	10/3/2022	1-1.5	Χ	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	272
	10/3/2022	2-2.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	320
SSW-5	10/3/2022	3-3.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	< 0.300	128
	10/3/2022	4-4.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	304
	10/3/2022	5-5.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	656
	10/3/2022	6-6.5	Х	-	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	800
SSW-5-2	3/1/2023	0-6.5'	Х	_	<50.0	<50.0	<50.0	<50.0	<0.000990	<0.00495	<0.00990	<0.00198	<0.00198	531.0

NOTES

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

Exceedance

Page 16 of 4

Table 2
Confirmation Analytical Results
Western Midstream
Red Hills Phase 2 and 3
Eddy County, New Mexico

		Excavtion	Soil	Status		TPH (m	a/ka)	-			Ethlybonzono			Chloride
Sample ID	Sample Date	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total	Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	(mg/kg)
RRALs								100 mg/kg	10 mg/kg				50 mg/kg	600 mg/kg
							Bott	omhole Sa	mples					
BTM-1	10/3/2022	6.5	Х	-	<50.0	<50.0	<50.0	<50.0	<0.000992	<0.00496	<0.000992	<0.00198	<0.000992	521
BTM-2	10/3/2022	6.5	Х	_	<49.9	<49.9	<49.9	<49.9	<0.000998	<0.00499	<0.000998	<0.00200	<0.00200	239
BTM-3	10/3/2022	6.5	Х	_	<50.0	<50.0	<50.0	<50.0	<0.000994	<0.00497	<0.000994	<0.00199	<0.00199	188
BTM-4	10/3/2022	6.5	Х	_	<49.9	<49.9	<49.9	<49.9	<0.000992	<0.00496	<0.000992	<0.00198	<0.000198	358
BTM-5	10/3/2022	6.5	Х	_	<49.9	<49.9	<49.9	<49.9	<0.000994	<0.00497	<0.000994	<0.00199	<0.00199	78.8
BTM-6	3/22/2023	6.5'	-	Х	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	943
BTM-6-2	4/19/2023	7.0'	Х	-	<25.0	<25.0	<25.0	<25.0	<0.025	<0.050	<0.050	<0.150	<0.275	128
BTM-7	3/22/2023	6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00201	<0.00201	<0.00201	<0.00402	<0.00402	60.9
								Sidewalls	S					
SW-1	3/1/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00100	<0.00501	<0.00100	<0.00100	<0.00200	112
SW-2	3/1/2023	0-6.5'	Х	- 1	<49.9	<49.9	<49.9	<49.9	<0.00101	<0.00504	<0.00101	<0.00101	<0.00202	289
SW-3	3/1/2023	0-6.5'	-	X	<49.9	<49.9	<49.9	<49.9	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	648
SW-3-2	3/22/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	209
SW-4	3/1/2023	0-6.5'	-	Х	<50.0	<50.0	<50.0	<50.0	<0.000996	<0.00498	<0.000996	<0.00199	<0.00199	901
SW-4-2	3/22/2023	0-6.5'	X		<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	293
SW-5	3/1/2023	0-6.5'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	543
SW-6	3/1/2023	0-6.5'	-	Х	<49.9	<49.9	<49.9	<49.9	<0.000998	<0.00499	<0.000998	<0.00200	<0.00200	1170
SW-6-2	3/22/2023	0-6.5'	X	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	391
SW-7 SW-7-2	3/1/2023	0-6.5'	-	X	<49.9	<49.9	<49.9	<49.9	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	898
SW-7-3	3/22/2023 4/19/2023	0-6.5' 0-7'	X	-	<49.9 <25.0	<49.9 <25.0	<49.9 <25.0	<49.9 <25.0	<0.00202 <0.025	<0.00202 <0.050	<0.00202 <0.050	<0.00403 <0.150	<0.00403 <0.275	1120 240
SW-8	3/1/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.00990	<0.00198	<0.00198	465
SW-9	3/1/2023	0-6.5'	_	X	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.00990	<0.00198	<0.00198	3110
SW-9-2	3/22/2023	0-6.5'	-	X	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	1110
SW-9-3	4/19/2023	0-7'	Х	-	<25.0	<25.0	<25.0	<25.0	<0.025	<0.050	<0.050	<0.150	<0.275	112
SW-10	3/1/2023	0-6.5'	Х	-	<50.0	<50.0	<50.0	<50.0	<0.00100	<0.00501	<0.00100	<0.00200	<0.00200	464
SW-11	3/1/2023	0-6.5'	-	Х	<50.0	<50.0	<50.0	<50.0	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	1280
SW-11-2	3/22/2022	0-6.5'	Х	<u> </u>	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	52.5
SW-12	3/1/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	491
SW-13	3/1/2023	0-6.5'	-	Х	<49.9	<49.9	<49.9	<49.9	<0.000990	<0.00495	<0.000990	<0.00198	<0.00198	1430
SW-13-2	3/22/2022	0-6.5'	X	-	<50.0	<50.0	<50.0	<50.0	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	56.9
SW-14	3/1/2023	0-6.5'	-	X	<50.0	79.2	<50.0	79.2	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	891
SW-14-2 SW-14-3	3/22/2022 4/19/2023	0-6.5' 0-6.5'	- X	X -	<49.9 <25.0	<49.9 <25.0	<49.9 <25.0	<49.9 <25.0	<0.00201 <0.025	<0.00201 <0.050	<0.00201 <0.050	<0.00402 <0.150	<0.00402 <0.275	684 48.0
311-14-0	7/10/2020	0-0.0			٠٤٥.٥	٠٤٥.٥	٦٧.٥	~20.0	-0.020	-0.000	-0.000	1 40.100	30.210	₹0.0

Received by OCD: 5/4/2023 12:58:33 PM

Table 2 Confirmation Analytical Results Western Midstream Red Hills Phase 2 and 3 Eddy County, New Mexico

Samnie Datei	Sample Date	Excavtion	Soil	Status		TPH (m	g/kg)		Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride
	Depth (ft)	In-Situ	Removed	GRO	DRO	MRO	Total			(mg/kg)			(mg/kg)	
							100	10				50	600 mg/kg	
							mg/kg	mg/kg				mg/kg		
1/2023	0-6.5'	Χ	-	<49.9	<49.9	<49.9	<49.9	<0.000998	<0.00499	<0.000998	<0.00200	<0.00200	352	
1/2023	0-6.5'	X	_ [<49.9	<49.9	<49.9	<49.9	<0.000992	<0.00496	<0.000992	<0.00198	<0.00198	89.4	
172020	0 0.0			10.0	10.0	10.0	10.0	-0.00000 <u>L</u>	10.00100	-0.00000Z	10.00100	10.00100	00.1	
22/2023	0-6.5'	Χ	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	165	
20/202		3.4		40.0	400	10.0	40.0				0.00404	2.22.42.4	2.1 -	
22/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	81.5	
22/2023	0-6.5'	Х	-	<49.9	<49.9	<49.9	<49.9	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	156	
22/2023	0-6.5'	Х	_	<50.0	<50.0	<50.0	<50.0	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	162	
22	2/2023 2/2023 2/2023	1/2023	In-Situ I/2023	In-Situ Removed	In-Situ Removed GRO	In-Situ Removed GRO DRO	In-Situ Removed GRO DRO MRO	In-Situ Removed GRO DRO MRO Total 100 mg/kg 1/2023 0-6.5' X - <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9 <49.9	In-Situ Removed GRO DRO MRO Total	In-Situ Removed GRO DRO MRO Total	In-Situ Removed GRO DRO MRO Total	100	In-Situ Removed GRO DRO MRO Total	

NOTES

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

Exceedance



Appendix A

C-141 and NMOCD Correspondence

Faught, John

From: Nobui, Jennifer, EMNRD < Jennifer.Nobui@emnrd.nm.gov>

Sent: Monday, January 30, 2023 2:45 PM

To: Faught, John

Cc: Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD

Subject: FW: [EXTERNAL] Western Midstream Red Hills nAPP2121527146 & nAPP2121527498 Extension

Request

Attachments: Figure 1 Final.pdf; RE: [EXTERNAL]: RE: [EXTERNAL] Delaware Basin Midstream Extension C-141

Resubmittal of Incident nAPP2121527146

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

Hello John

OCD has reviewed your request for both of the releases referenced in your email below and we have approved your request for a 90-day extension to April 30, 2023. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

nAPP2121527146 & nAPP2121527498

Thanks,

Jennifer Nobui

From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Sent: Monday, January 30, 2023 1:32 PM

To: Nobui, Jennifer, EMNRD < Jennifer. Nobui@emnrd.nm.gov>

Subject: FW: [EXTERNAL] Western Midstream Red Hills nAPP2121527146 & nAPP2121527498 Extension Request

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | <u>Jocelyn.Harimon@emnrd.nm.gov</u>

http://www.emnrd.nm.gov



From: Faught, John <JOHN.FAUGHT1@tetratech.com>

Sent: Monday, January 30, 2023 12:48 PM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov >

Cc: Shepherd, Alex < Alex. Shepherd@westernmidstream.com >; Weigand, Russell < Russell. Weigand@tetratech.com >;

Long, Brittany < Brittany.Long@tetratech.com>

Subject: [EXTERNAL] Western Midstream Red Hills nAPP2121527146 & nAPP2121527498 Extension Request

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Good afternoon,

My name is John Faught with Tetra Tech, Inc., I hope you are surviving the weather!

Jeff Doerr, the former environmental representative for Western Midstream was communicating with the NMOCD regarding NMOCD Incident ID #s: nAPP2121527146 and nAPP2121527498. On September 19, 2022 Mr. Doerr requested a one month extension to complete additional sampling at the site in order to assess any regulatory deficiencies and achieve closure of the Site.

Tetra Tech was contracted in September of last year to conduct confirmation sampling at the Western Midstream (Western) Red Hills site and prepare an updated closure report due to a previous closure report, submitted by another Western Midstream subcontractor on April 26th, 2022 for this site, being rejected by the NMOCD. Subsequent to confirmation sampling activities conducted by Tetra Tech, it was determined that additional excavation and confirmation sampling would be required in order to meet regulatory requirements for site closure. The proposed excavation areas are presented in Figure 1 attached. Since the additional activities at the site, Mr. Doerr has resigned and communication with the NMOCD on these incidents has been halted.

Tetra Tech, on behalf of Western Midstream, LLC is requesting a 90-day extension to complete additional remediation, sampling activities, and to submit a final closure report. Please let me know if you have any questions or concerns regarding the extension request and I would be happy to assist you. Thank you for your time and patience.

Have a great day,

John Faught, GIT | Project Manager Mobile +1 (432) 222-6197 | john.faught1@tetratech.com

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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	39488
District RP	Artesia
Facility ID	
Application ID	nAPP2121527146

Release Notification

Responsible Party

				1						
		ware Basin Mid	stream		OGRID 31					
Contact Nam	^{ne} Alex Sh	epherd			Contact Te	elephone 903.690.3758				
Contact ema	^{il} alex.she	epherd@weste	ernmidstrean	n.com	Incident # (assigned by OCD) 39488					
Contact mail	ing address	831 S. East A	ve, Kermit, T	X 797	45					
			Location			ource				
Latitude 32.	.006074				Longitude •	-103.90745				
			(NAD 83 in d	lecimal deg	rees to 5 decim	mal places)				
Site Name Re	ed Hills P	hase 2			Site Type N	Midstream (pipeline)				
Date Release	Discovered	8/2/2021			API# (if app					
	1		Γ							
Unit Letter	Section	Township	Range		County					
				Eddy	/					
Surface Owne		Federal Tı	Nature an	d Vol						
Crude Oi		Volume Released		ch calculati	ons or specific	volume Recovered (bbls)				
Produced		Volume Release				Volume Recovered (bbls)				
			tion of dissolved	chloride	in the	☐ Yes ☐ No				
✓ Condensa	ite	Volume Release				Volume Recovered (bbls) 0				
Natural G	ias	Volume Release	ed (Mcf)			Volume Recovered (Mcf)				
Other (de	scribe)	Volume/Weight	Released (providence)	de units)		Volume/Weight Recovered (provide units)				
Cause of Rel	^{ease} Intern	al corrosion sus	spected.							

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Incident ID	39488
District RP	Artesia
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Was this a major release as defined by	does the responsible party consider this a major release?
19.15.29.7(A) NMAC?	
☐ Yes ☑ No	
If VES, was immediate notice given to the OCD? By	whom? To whom? When and by what means (phone, email, etc)?
N/A	whom. To whom: When and by what means (phone, email, etc).
	Initial Response
The responsible party must undertake the following a	actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the release has been stopped.	
☑ The impacted area has been secured to protect hur	man health and the environment.
Released materials have been contained via the us	se of berms or dikes, absorbent pads, or other containment devices.
All free liquids and recoverable materials have be	
If all the actions described above have <u>not</u> been under	taken, explain why: standing liquid was recovered. This release along a ROW (right of
way) where no berms, dikes, etc were availal	
has begun, please attach a narrative of actions to date	ay commence remediation immediately after discovery of a release. If remediation e. If remedial efforts have been successfully completed or if the release occurred $S(a)$ NMAC), please attach all information needed for closure evaluation.
regulations all operators are required to report and/or file cerpublic health or the environment. The acceptance of a C-14 failed to adequately investigate and remediate contamination	complete to the best of my knowledge and understand that pursuant to OCD rules and rtain release notifications and perform corrective actions for releases which may endanger of report by the OCD does not relieve the operator of liability should their operations have in that pose a threat to groundwater, surface water, human health or the environment. In the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Alex Shepherd, REM	Title: Environmental Manager
Signature: Alex Shaphard, RM	Date: <u>5/4/2023</u>
email: alex.shepherd@westernmidstream	.com Telephone: 903-690-3758
OCD Only	
Received by:	Date:

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Incident ID	39488
District RP	Artesia
Facility ID	
Application ID	nAPP2121527146

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)			
Did this release impact groundwater or surface water?				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?				
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No			
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No			
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No			
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?				
Are the lateral extents of the release within 300 feet of a wetland?				
Are the lateral extents of the release overlying a subsurface mine?				
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No			
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No			
Did the release impact areas not on an exploration, development, production, or storage site?				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.				
Characterization Report Checklist: Each of the following items must be included in the report.				
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ☐ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 				

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

Received by OCD: 5/4/2023 12:58:33 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	39488	
District RP	Artesia	
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Application ID	nAPP2121527146	

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: Alex Shepherd, REM

Signature: Alex Shepherd, RCM

Date: 5/4/2023

Telephone: 903-690-3758

Date: _______

Date: _______

Date: _______

Date: ________

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Incident ID	39488
District RP	Artesia
Facility ID	
Application ID	nAPP2121527146

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.			
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 				
<u>Deferral Requests Only</u> : Each of the following items must be con	firmed as part of any request for deferral of remediation.			
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility			
Extents of contamination must be fully delineated.				
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.			
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of			
Printed Name:	Title:			
Signature:	Date:			
email:	Telephone:			
OCD Only				
Received by:	Date:			
☐ Approved ☐ Approved with Attached Conditions of	Approval			
Signature:	Date:			

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Incident ID	39488
District RP	Artesia
Facility ID	
Application ID	nAPP2121527146

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items n	nust be included in the closure report.			
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC				
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)				
☐ Laboratory analyses of final sampling (Note: appropriate ODC Distr	rict office must be notified 2 days prior to final sampling)			
Description of remediation activities				
I hereby certify that the information given above is true and complete to the and regulations all operators are required to report and/or file certain release may endanger public health or the environment. The acceptance of a C-1-should their operations have failed to adequately investigate and remediate human health or the environment. In addition, OCD acceptance of a C-1-4 compliance with any other federal, state, or local laws and/or regulations. restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD we have a Chapter of DEM.	se notifications and perform corrective actions for releases which 41 report by the OCD does not relieve the operator of liability e contamination that pose a threat to groundwater, surface water, 1 report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially as that existed prior to the release or their final land use in then reclamation and re-vegetation are complete.			
	e: Environmental Manager			
Signature: Alex Shepherd, RM Date	. 5/4/23			
email: alex.shepherd@westernmidstream.com Telep	ohone: 903-690-3758			
OCD Only				
Received by:	Date:			
Closure approval by the OCD does not relieve the responsible party of liab remediate contamination that poses a threat to groundwater, surface water, party of compliance with any other federal, state, or local laws and/or regu	human health, or the environment nor does not relieve the responsible			
Closure Approved by:	Date:			
Printed Name:	Title:			

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 394
Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	39490
District RP	Artesia
Facility ID	
Application ID	nAPP2121527498

Release Notification

Responsible Party

			OGRID 31			
Contact Name Alex Shepherd			Contact Telephone 903.690.3758			
Contact ema	^{il} alex.she	epherd@west	ernmidstrean	n.com	Incident #	(assigned by OCD) 39490
Contact mail	ing address	831 S. East A	ve, Kermit, T	X 797	45	
			Location			ource
Latitude 32.	.006074				Longitude •	-103.90745
			(NAD 83 in d	lecimal deg	rees to 5 decim	mal places)
Site Name Ro	ed Hills P	hase 3			Site Type N	Midstream (pipeline)
Date Release	Discovered	7/10/2021			API# (if app	
	1					
Unit Letter	Section	Township	Range		Coun	nty
				Eddy	/	
Surface Owne		Federal Tı	Nature an	d Vol		
Crude Oi		Volume Release		ch calculati	ons or specific	viustification for the volumes provided below) Volume Recovered (bbls)
Produced		Volume Release				Volume Recovered (bbls)
Produced	water			11 11	1	` ′
		produced water	tion of dissolved >10.000 mg/l?	chloride	in the	☐ Yes ☐ No
✓ Condensate Volume Released (bbls) 3.94				Volume Recovered (bbls) 0		
☐ Natural Gas Volume Released (Mcf)				Volume Recovered (Mcf)		
Other (describe) Volume/Weight Released (provide units)			Volume/Weight Recovered (provide units)			
Cause of Rel	^{ease} Interna	al corrosion				

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Page	- / ×	OT A	n:
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Incident ID	39490
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Application ID	nAPP2121527498

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release?			
19.15.29.7(A) NMAC?	INA			
☐ Yes ☑ No				
If VEC was immediate a	ation airrow to the OCD? Drevehous? To sub	om? When and by what means (phone, email, etc)?		
N/A	ouce given to the OCD? By whom? To wh	om? when and by what means (phone, email, etc)?		
	Initial Re	esponse		
The responsible p	party must undertake the following actions immediately	vunless they could create a safety hazard that would result in injury		
✓ The source of the rele	ease has been stopped.			
☑ The impacted area ha	s been secured to protect human health and	the environment.		
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.		
	ecoverable materials have been removed and			
	d above have <u>not</u> been undertaken, explain v	why: d was recovered. This release along a ROW (right of		
	s, dikes, etc were available or necess			
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.				
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notified ment. The acceptance of a C-141 report by the Oate and remediate contamination that pose a threatening the contamination of the contamination	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws		
Printed Name: Alex Shepherd, REM Title: Environmental Manager				
Signature: Alex 5	hepherd, RM	Date: 5/4/2023		
email: alex.shepherd(@westernmidstream.com	Telephone: 903-690-3758		
OCD Only				
Received by:		Date:		

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Incident ID	39490
District RP	Artesia
Facility ID	
Application ID	nAPP2121527498

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ☑ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No	
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☑ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ✓ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 		

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

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Incident ID	39490	
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Facility ID		

nAPP2121527498

Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. $_{\mbox{\sc Printed Name:}}$ Alex Shepherd, REM Title: Environmental Manager Signature: Alex Shepherd, RM Date: 5/4/2023 Telephone: _903-690-3758 email: alex.shepherd@westernmidstream.com **OCD Only** 05/04/2023 Jocelyn Harimon Received by:

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Incident ID	39 490
District RP	Artesia
Facility ID	
Application ID	nAPP2121527498

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.	
Detailed description of proposed remediation technique Scaled sitemap with GPS coordinates showing delineation points Estimated volume of material to be remediated Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)		
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
☐ Approved ☐ Approved with Attached Conditions of	Approval	
Signature:	Date:	

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Incident ID	39490
District RP	Artesia
Facility ID	
Application ID	nAPP2121527498

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.		
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC Dist	rict office must be notified 2 days prior to final sampling)	
Description of remediation activities		
I hereby certify that the information given above is true and complete to and regulations all operators are required to report and/or file certain relemay endanger public health or the environment. The acceptance of a C-1 should their operations have failed to adequately investigate and remedia human health or the environment. In addition, OCD acceptance of a C-1 compliance with any other federal, state, or local laws and/or regulations restore, reclaim, and re-vegetate the impacted surface area to the condition accordance with 19.15.29.13 NMAC including notification to the OCD where the printed Name: Alex Shepherd, REM Tit	ase notifications and perform corrective actions for releases which 41 report by the OCD does not relieve the operator of liability te contamination that pose a threat to groundwater, surface water, 41 report does not relieve the operator of responsibility for The responsible party acknowledges they must substantially ons that existed prior to the release or their final land use in when reclamation and re-vegetation are complete.	
a Alan Shophard ROM	5/4/23	
Printed Name: Alex Shepherd, REM Signature: Alex Shepherd, RCM Date email: alex.shepherd@westernmidstream.com Title	003 600 3758	
email: alex.snepheru@westernmustream.com Tele	phone:	
OCD Only		
Received by: Jocelyn Harimon	Date:05/04/2023	
Closure approval by the OCD does not relieve the responsible party of lia remediate contamination that poses a threat to groundwater, surface water party of compliance with any other federal, state, or local laws and/or reg	human health, or the environment nor does not relieve the responsible	
Closure Approved by:	Date:	
Printed Name:	Title:	

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	39490
District RP	Artesia
Facility ID	
Application ID	NAPP2121527498

Release Notification

Responsible Party

		1		,
Responsible Party Delaware Basin Midstream		OGRID 3	OGRID 314437	
Contact Name Jeffrey Doerr		Contact Te	Contact Telephone 432-638-7693	
Contact email Jeff.Do	perr@westernmidstre	eam.com	Incident #	(assigned by OCD) 39490
Contact mailing addre	ess 831 S. East Ave	Kermit, TX 79745		
		Location	of Release So	ource
Latitude 32.006074		(NAD 83 in dec	Longitude _ imal degrees to 5 decin	-103.90745 nal places)
Site Name Red Hills I	Phase 3		Site Type	Midstream (pipeline)
Date Release Discover	red 7/10/2021		API# (if app	
Unit Letter Section	n Township	Range	Cour	nty
			Eddy	
Mat	erial(s) Released (Select a		Volume of I	Release justification for the volumes provided below)
Crude Oil	Volume Release		•	Volume Recovered (bbls)
Produced Water	Volume Release	ed (bbls)		Volume Recovered (bbls)
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?		nloride in the	☐ Yes ☐ No	
X Condensate	Volume Release	ed (bbls) 3.94		Volume Recovered (bbls) 0
Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)	
Other (describe)	Volume/Weight Released (provide units)		units)	Volume/Weight Recovered (provide units)
Cause of Release Into	ernal Corrosion			,

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Incident ID	NAPP2121527498
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the response	nsible party consider this a major release?		
release as defined by 19.15.29.7(A) NMAC?	NT/A			
	N/A			
Yes No				
If YES, was immediate n	otice given to the OCD? By whom? To w	hom? When and by what means (phone, email, etc)?		
N/A	,	, and the second		
	Initial R	esponse		
The responsible	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury		
x The source of the rele	ease has been stopped.			
	is been secured to protect human health and	the environment.		
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.				
All free liquids and recoverable materials have been removed and managed appropriately.				
If all the actions described	d above have <u>not</u> been undertaken, explain	why:		
The fluid was released to etc were available or nece		overed. This release along a ROW (right of way) where no berms, dik		
ele were available of fices	essary.			
Der 10 15 20 8 R (4) NM	IAC the reconneible 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		
		please attach all information needed for closure evaluation.		
		best of my knowledge and understand that pursuant to OCD rules and iffications and perform corrective actions for releases which may endanger		
public health or the environs	ment. The acceptance of a C-141 report by the	OCD does not relieve the operator of liability should their operations have		
addition, OCD acceptance o		eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws		
and/or regulations.	- 44			
Printed Name: Jeff Doer		Title: Environmental Representative II		
Signature:	71 //2	Date: 8/3/2021		
email: jeff.doerr@wester	rnmidstream.com	Telephone: 432-638-7693		
		-		
OCD Only				
Received by: Ramon	a Marcus	Date: 8/3/2021		

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Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)		
Did this release impact groundwater or surface water?			
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No		
Are the lateral extents of the release overlying a subsurface mine?			
Are the lateral extents of the release overlying an unstable area such as karst geology?			
Are the lateral extents of the release within a 100-year floodplain?			
Did the release impact areas not on an exploration, development, production, or storage site?			
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil		
Characterization Report Checklist: Each of the following items must be included in the report.			
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs Photographs including date and GIS information Topographic/Aerial maps Laboratory data including chain of custody			

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

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Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release no public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a threaddition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name:	
Signature:	Date:
email:	Telephone:
och o I	
OCD Only	
Received by:	Date:

Received by OCD: 5/4/2023 12:58:2331PM State of New Mexico Page 5 Oil Conservation Division

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Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.	
 □ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required) 		
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.		
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.	
I hereby certify that the information given above is true and comple	te to the best of my knowledge and understand that pursuant to OCD	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name:	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
☐ Approved	Approval	
Signature:	<u>Date:</u>	

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Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)		
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)	
☐ Description of remediation activities		
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.		
Closure Approved by:	Date:	
Printed Name:	Title:	

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

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 39495

CONDITIONS

Operator:	OGRID:
DELAWARE BASIN MIDSTREAM, LLC	314437
9950 Woodloch Forest Drive	Action Number:
The Woodlands, TX 77380	39495
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/3/2021

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	39488
District RP	Artesia
Facility ID	
Application ID	nAPP2121527146

Release Notification

Responsible Party

					OGRID 314437	
Contact Name Jeffrey Doerr				Contact T	Contact Telephone 432-638-7693	
Contact email Jeff.Doerr@westernmidstream.com			am.com	Incident #	# (assigned by OCD) 39488	
Contact mailing	address	831 S. East Ave I	Kermit, TX 79745	l		
			Location	of Release S	Source	
Latitude 32.006	074			Longitude	-103.90745	
			(NAD 83 in deci	imal degrees to 5 deci		
Site Name Red I	Hills Pha	se 2		Site Type	Midstream (pipeline)	
Date Release Dis				API# (if ap		
Unit Letter S	Section	Township	Range	Cou	ınty	
				Eddy		
Surface Owner: &			ribal Private (N Nature and	Volume of		
Crude Oil	Materia	Volume Release		calculations or specifi	Volume Recovered (bbls)	
Produced Wa	ater	Volume Release	ed (bbls)		Volume Recovered (bbls)	
Is the concentration of dissolved chloride in the produced water >10,000 mg/l?			nloride in the	☐ Yes ☐ No		
X Condensate		Volume Release			Volume Recovered (bbls) 0	
Natural Gas		Volume Release	ed (Mcf)		Volume Recovered (Mcf)	
Other (descri	Other (describe) Volume/Weight Released (provide units)		Volume/Weight Recovered (provide units)			
Cause of Release	e Interna	al corrosion suspe	cted			
	mem	ar corrosion suspec	cica			

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Was this a major	If YES, for what reason(s) does the response	onsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	NT/A	
` ,	N/A	
Yes No		
If VEC was immediate as	otics given to the OCD? Dy whom? To u	whom? When and by what means (phone, email, etc)?
N/A	once given to the OCD? By whom? To w	when and by what means (phone, email, etc)?
IVA		
	Initial F	Response
		•
The responsible p	party must undertake the following actions immediat	ely unless they could create a safety hazard that would result in injury
x The source of the rele	aga bag baga ataumad	
	s been secured to protect human health an	d the environment
	•	dikes, absorbent pads, or other containment devices.
	ecoverable materials have been removed a	-
<u> </u>	d above have not been undertaken, explain	
		covered. This release along a ROW (right of way) where no berms, dike
etc were available or nece		covered. This release along a NOW (fight of way) where no bernis, disc
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence	remediation immediately after discovery of a release. If remediation
has begun, please attach a	a narrative of actions to date. If remedia	efforts have been successfully completed or if the release occurred
		please attach all information needed for closure evaluation.
		be best of my knowledge and understand that pursuant to OCD rules and tifications and perform corrective actions for releases which may endanger
public health or the environn	nent. The acceptance of a C-141 report by the	OCD does not relieve the operator of liability should their operations have
		reat to groundwater, surface water, human health or the environment. In f responsibility for compliance with any other federal, state, or local laws
and/or regulations.	The Control of the Co	1 topololomy 10. Compliance with any const reacting const, or 100m in the
Printed Name: Jeff Doern		Title: Environmental Representative II
	d41, 11)	
Signature:		Date: <u>8/3/2021</u>
email: jeff.doerr@wester	nmidstream.com	Telephone: 432-638-7693
OCD Only		
•		Deter
Received by:		Date:

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Site Assessment/Characterization

 $This information \ must be provided \ to \ the \ appropriate \ district \ of fice \ no \ later \ than \ 90 \ days \ after \ the \ release \ discovery \ date.$

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☐ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☐ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☐ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☐ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☐ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☐ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☐ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☐ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☐ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well Field data □ Data table of soil contaminant concentration data □ Depth to water determination □ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release □ Boring or excavation logs □ Photographs including date and GIS information □ Topographic/Aerial maps □ Laboratory data including chain of custody	ls.

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

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I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	octifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have the eat to groundwater, surface water, human health or the environment. In
Printed Name:	_ Title:
Signature:	Date:
email:	Telephone:
Received by:	Date:
and/or regulations. Printed Name: Signature:	Title: Date: Telephone:

Received by OCD: 5/4/2023 12:58:33 IPM State of New Mexico
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Application ID	

Remediation Plan

D 1'-4' Di Cl1.1'-4. E1646.11	
Remediation Plan Checklist: Each of the following items must be	te incluaea in the plan.
☐ Detailed description of proposed remediation technique ☐ Scaled sitemap with GPS coordinates showing delineation poin ☐ Estimated volume of material to be remediated ☐ Closure criteria is to Table 1 specifications subject to 19.15.29. ☐ Proposed schedule for remediation (note if remediation plan tires)	12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be co	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human healt	h, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:
☐ Approved	Approval
Signature:	<u>Date:</u>

Received by OCD: \$/4/2023 12:58:33 PM State of New Mexico
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Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

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

A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	nediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially neditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Signature:	Date:
email:	Telephone:
email:	
OCD Only Received by: Closure approval by the OCD does not relieve the responsible party	Date: Of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible
OCD Only Received by: Closure approval by the OCD does not relieve the responsible party remediate contamination that poses a threat to groundwater, surface of the contamination of the contaminati	Date: Of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.

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

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

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 39497

CONDITIONS

Operator:	OGRID:
DELAWARE BASIN MIDSTREAM, LLC	314437
9950 Woodloch Forest Drive	Action Number:
The Woodlands, TX 77380	39497
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rmarcus	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	8/3/2021



Appendix B

Stingray Environmental and Construction Closure Reports

Western Midstream

830 S. East Ave. Kermit, Texas 79745

Site Remediation Report

Western Midstream Redhills Phase 3 and Phase 2 Eddy County, New Mexico

Western Midstream Incident #s 16018/16275 Red Hills Phase 3 – OCD job# 39490 Release date: 7/10/2021 Red Hills Phase 2 – OCD job# 39488 Release date: 8/2/2021



9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

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- 1. Summary
- 2. Photo documents
 Beginning photos
 Excavation photos
 Final photos
- 3. Maps
 Plat map
 TWDB depth to groundwater
 Distance to nearest city
- 4. Appendix 1
 Analytical Report (Field Analysis)
 Analytical Lab Summary
 Lab reports
 Chain of custodies
- 5. Appendix 2 R360 manifests



9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

Soil Remediation Summary for Western Midstream Redhills Phase 3 and Phase 2

1.0 INTRODUCTION

A release of produced water occurred at the Western Midstream Redhills Phase 3 and Phase 2 in Eddy County, New Mexico. Western Midstream representative Jeff Doerr retained the services of Stingray Environmental and Construction to remediate this release.

1.1 Site Description

The site is located in an active oil & gas field approximately 12.5 miles North of Orla, Texas in Eddy County, New Mexico. The release was caused from internal corrosion causing produced water to contact the surrounding soil. These 2 releases occurred on July 10, 2021 and August 2, 2021and impacted approximately 2,880 square feet of pipeline right of way. There were no impacts to surface water impoundments or waterways due to this release. The Texas Water Development Board (TWDB) groundwater database shows depth to groundwater at the nearest well being 42.7 feet below ground surface (BGS).

1.2 Scope of Work

Stingray Environmental and Construction's representatives in conjunction with Western Midstream's personnel and guidance from the New Mexico Administrative Code, Title 19 chapter 15, developed the following Scope of Work for this project:

1. Excavate the spill-impacted soil.

2. Following excavation procedures, collect confirmation soil samples of the excavated area for Chloride, TPH and BTEX lab analysis.

- Haul contaminated material to R360 Red Bluff in waste hauler permitted trucks for disposal.
- Subsequent to Chloride, TPH and BTEX analyses confirming targeted cleanup levels, backfill the excavated area with material brought in from a local mine and restore site to previous state.

1.3 Standard of Care

Stingray Environmental and Construction's services were performed in a manner consistent with generally accepted practices of the profession undertaken during the same period. Stingray Environmental and Construction makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Stingray Environmental and Construction does not warrant the work of laboratories, regulatory agencies or other third parties supplying information or used in the preparation of the report.

1.4 Scope Limitations

Findings, conclusions and recommendations resulting from these services were based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during these remediation activities. The data, interpretations, findings, and our recommendations were based solely upon information obtained at the time and within the scope of these services.

2.0 FIELD ACTIVITES

2.1 Excavation

Stingray Environmental and Construction began excavation on August 17, 2021 to bring all impacted soils to the surface. The spill yielded approximately 200 cubic yards of spill-impacted material. Confirmation soil samples of the excavation bottom were collected for laboratory analysis of TPH using Method TX1005, chloride analysis and BTEX.

2.2 Remediation and Restoration

Approximately 200 cubic yards of spoil material was loaded in trucks with waste haulers permits and disposed of at the R360 Red Bluff facility. Approximately 200 cubic yards of fresh top soil from a local mine was used to backfill and dress out site. The site restoration was completed approximately August 27, 2021.

2.3 Soil Sampling

Confirmation soil samples were collected from the excavated areas bottom for chloride analysis, TPH analysis using Method TX1005 and BTEX by an independent laboratory. Soil samples collected for confirmation were placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a secured cooler. The samples and completed chain of custody were relinquished to PBELab, Inc. in Midland, Texas for analysis. The executed chain-of-custody forms, laboratory results summary, data sheets and laboratory results are provided in the Appendix 1 of the report.

3.0 FINDINGS AND CONCLUSIONS

Based on the analytical results all contaminated soils were brought to the surface and properly disposed of at a state approved facility. Based on results of our field activities and laboratory analysis, the target standards for TPH, Chlorides and BTEX in soil has been obtained. Western Midstream Petroleum requests a "No Further Action Required at this Time" for this site.

Von Norman

Project Manager

In Froman

Photo Documents









Beginning Photos Phase 2





Excavation Photos Phase 2 and Phase 3





Excavation Photos Pahe 3 and Phase 2





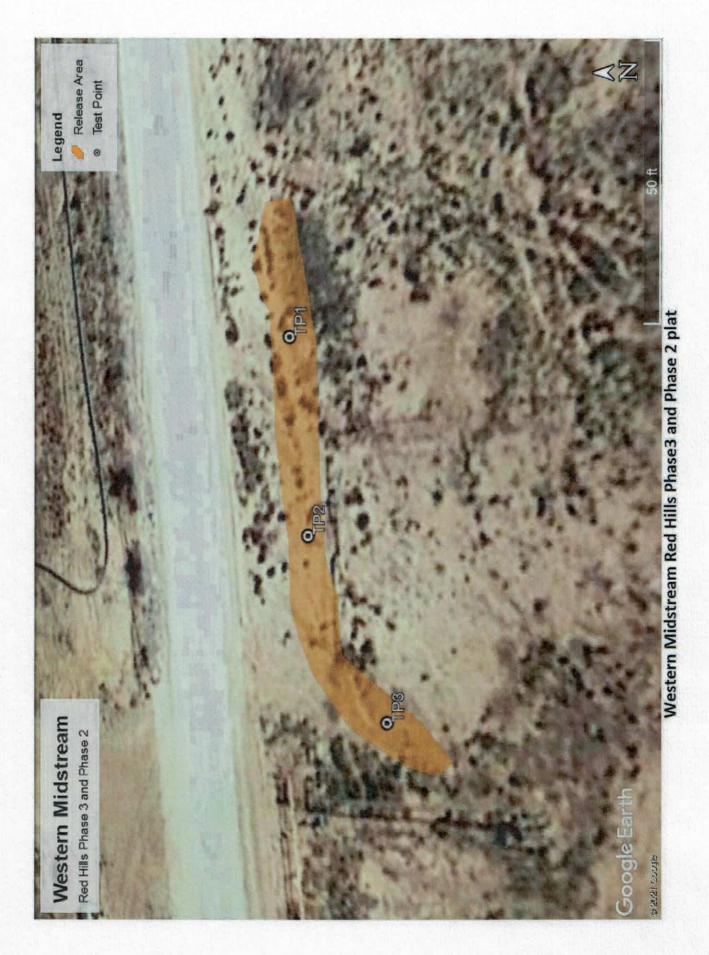
Final Photos Phase 2 and Phase 3

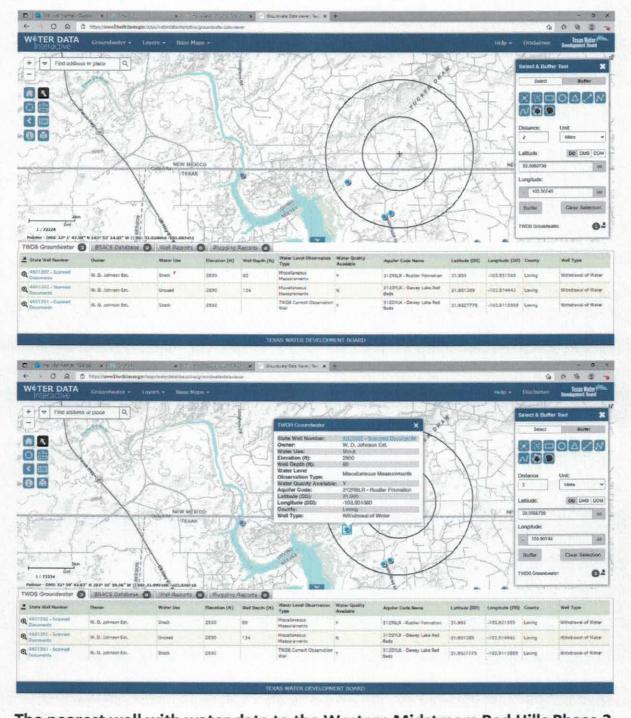




Final Photos Phase 3 and Phase 2

Maps





The nearest well with water data to the Western Midstream Red Hills Phase 3 and Phase 2 site is well number 4601202 and reflects a depth to ground water of 42.7 feet below ground surface (BGS). This information comes from the Texas Water Development Board Water Data Interactive web site.





GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	4601202
County	Loving
River Basin	Rio Grande
Groundwater Management Area	3
Regional Water Planning Area	F - Region F
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	31.995
Latitude (degrees minutes seconds)	31° 59' 42" N
Longitude (decimal degrees)	-103.931389
Longitude (degrees minutes seconds)	103° 55' 53" W
Coordinate Source	+/- 1 Second
Aquifer Code	312RSLR - Rustler Formation
Aquifer	Rustler
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	2850
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	80
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/6/1966
Drilling Method	Cable Tool
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Windmill
Annular Seal Method	
Surface Completion	
Owner	W. D. Johnson Est.
Driller	Holder Water Well Drilling and Service
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	4/19/1995
Last Update Date	3/4/2020

Remarks Reported yield 3 GPM with 24 feet drawdown in 1966. Specific capacity 0.12 GPM/ft.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
	6 Blank	Steel			0	80

Well Tests - No Data

Lithology			
Top Depth (ft.)	Bottom Depth (ft.)	Description	
0	4	surface sand and gravel	
4	31	gyp rock	
31	47	sandy clay	
47	62	gravel and clay	
62	78	sand and gravel (water)	
78	80	anhydrite and gyp	

Annular Seal Range - No Data

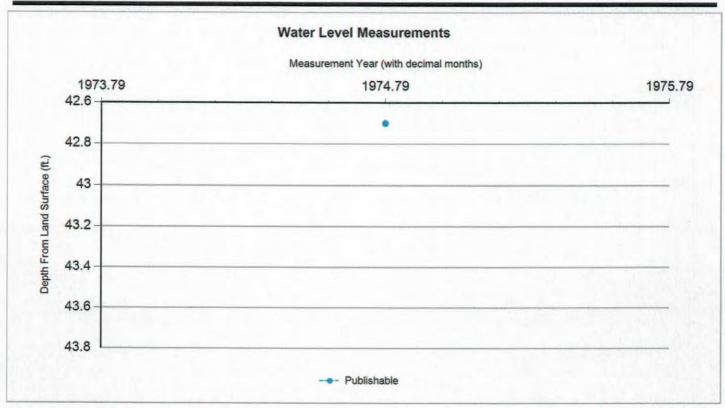




Borehole - No Data	Plugged Back - No Data	
Filter Pack - No Data	Packers - No Data	







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/17/1974		42.7		2807.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

	Status Code	
P Publishable	Р	





Water Quality Analysis

Sample Date: 4/19/1995 Sample Time: 1400 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Rustler Formation

Analyzed Lab: Texas Department of Health Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		227	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		20	PC/L	3
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	20	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	2	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		6	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
03503	BETA, DISSOLVED (PC/L)		22	PC/L	5
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280.68	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.43	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	0.5	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		624	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		349	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	8	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	8	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		21	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		2356	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		46	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)	<	5	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		130	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		192	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		2	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)	<	0.13	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	<	50	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)	<	20	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		6.84	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		30.28		
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	<		mg/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	<	-	mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)			mg/L	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS			MV	

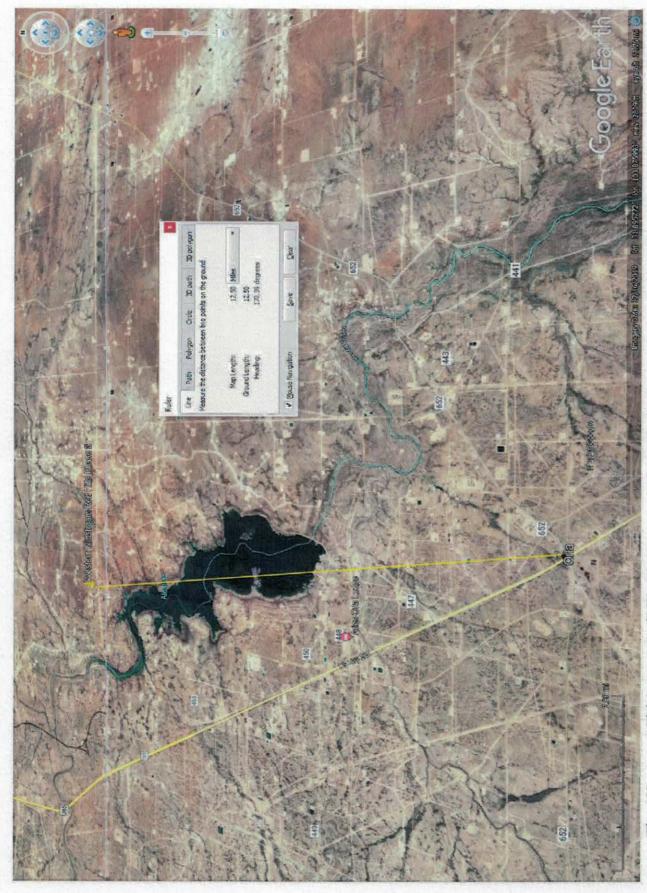




Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		6.85	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		12	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)		12.8	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		37	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	6	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.36		
00932	SODIUM, CALCULATED, PERCENT		12	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		152	mg/L	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		8770	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		1960	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		20.2	С	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	2	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		3504	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	8	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		274	ug/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.



The Western Midstream Redhills Phase 3 and Phase 2 site is approximately 12.5 miles North of Orla, Texas.

Appendix 1



9009 W. County Rd 160 Midland, Texas 79706

FIELD ANALYTICAL REPORT FORM

CLIENT:	Western Midstream			
SITE:	Redhills Phase 3 and Phase 2			
ANALYST:	Von Norman	CONTACT#_	432-202-4180	

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
TP1	8-20-21	6'	70	Split sample sent to lab
TP2	8-20-21	2.5'	70	Split sample sent to lab
TP3	8-20-21	6'	80	Split sample sent to lab
			Chlorides	
TP1	8-20-21	6'	250	Split sample sent to lab
TP2	8-20-21	2.5'	200	Split sample sent to lab
TP3	8-20-21	6'	250	Split sample sent to lab
				100
				I have been been a

ANALYST NOTES: TPH field analysis by EPA Method 418.1 (modified)

Chloride field analysis by silver nitrate method

FIELD ANALYTICAL REPORT BACKGROUND

A portable TPH analyzer was used in accordance with EPA Method 418.1, to expedite the evaluation of delineation and dilution needs during the excavation phase of work required under SWR 3.91(d)(1). Once it was determined using the TPH portable analyzer that affected soils were brought to the surface and successfully reduced to <1% TPH, a representative soil sample of the excavation bottoms and composite sample of the spoil pile were taken and stabilized using ice and shipped to a certified laboratory for TPH analysis using Method TX 1005. Those sample results are included in this report in the following pages of Appendix 1.

The field portable TPH analyzer used in the field has the following manufacturer and model information:

Manufacturer: Wilks

Instrument name: Infracal 2

Model: TRANS-SP from Spectro Scientific.



11420 W. County Rd 33 Midland, Texas 79710

LAB ANALYTICAL SUMMARY

CLIENT: Western Midstream

SITE: Redhills Phase 3 and Phase 2

ANALYST: Von Norman CONTACT # 432-202-4180

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
TP1	8-20-21	6'	ND	1H31003-01
TP2	8-20-21	2.5'	ND	1H31003-02
TP3	8-20-21	6'	ND	1H31003-03
			Chlorides	
TP1	8-20-21	6'	105	1H31003-01
TP2	8-20-21	2.5'	96	1H31003-02
TP3	8-20-21	6'	113	1H31003-03
			BTEX	
TP1	8-20-21	6'	ND	1H31003-01
TP2	8-20-21	2.5'	ND	1H31003-02
TP3	8-20-21	6'	ND	1H31003-03

ANALYST NOTES: Summary of PBEL lab report # 1H31003.

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Von Norman
Stingray Environmental & Construction
9013 West County Road 160
Midland, TEXAS 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Location:

Lab Order Number: 1H31003



Current Certification

Report Date: 09/02/21

Stingray Environmental & Construction

9013 West County Road 160

Midland TEXAS, 79706

Project Number: Western Midstream Red Hills Phase 3 & 2

Project: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP1	1H31003-01	Soil	08/20/21 13:00	08-31-2021 11:15
TP2	1H31003-02	Soil	08/20/21 13:30	08-31-2021 11:15
TP3	1H31003-03	Soil	08/20/21 14:00	08-31-2021 11:15

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP1 1H31003-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: 1-Chlorooctane		109%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: o-Terphenyl		119%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:03	[CALC]	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	105	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 14:56	EPA 300.0	
% Moisture	3.0	0.1	%	1	P110104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

Stingray Environmental & Construction 9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP2 1H31003-02 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114%	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: o-Terphenyl		119%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:25	[CALC]	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	96.0	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:42	EPA 300.0	
% Moisture	3.0	0.1	%	1	P110104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP3 1H31003-03 (Soil)

Ameliate		Reporting					100	1000	22
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
3TEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1%	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		115 %	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: o-Terphenyl		120 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:47	[CALC]	
General Chemistry Parameters by	EPA / Stand	lard Met	hods					The state of	
Chloride	113	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:57	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I0104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Blank (P110102-BLK1)				Prepared &	Analyzed:	09/01/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	**							
Xylene (p/m)	ND	0.00200								
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
LCS (P1I0102-BS1)				Prepared &	Analyzed:	09/01/21				
Benzene	0.100	0.00100	mg/kg wet	0.100		100	70-130			
Toluene	0.0989	0.00100	**	0.100		98.9	70-130			
Ethylbenzene	0.0949	0.00100	п	0.100		94.9	70-130			
Xylene (p/m)	0.196	0.00200	н	0.200		98.0	70-130			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	70-130			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.5	80-120			
LCS Dup (P1I0102-BSD1)				Prepared &	Analyzed:	09/01/21				
Benzene	0.0942	0.00100	mg/kg wet	0.100		94.2	70-130	6.01	20	
Toluene	0.0939	0.00100	"	0.100		93.9	70-130	5.23	20	
Ethylbenzene	0.0886	0.00100	**	0.100		88.6	70-130	6.96	20	
Xylene (p/m)	0.185	0.00200	**	0.200		92.3	70-130	5.96	20	
Xylene (o)	0.0801	0.00100	ii	0.100		80.1	70-130	0.262	20	
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Matrix Spike (P1I0102-MS1)	Sour	rce: 1H31003	1-03	Prepared &	Analyzed:	09/01/21				
Benzene	0.0709	0.00103	mg/kg dry	0.103	ND	68.8	80-120			QM-0
Toluene	0.0585	0.00103	"	0.103	ND	56.8	80-120			QM-0
Ethylbenzene	0.0487	0.00103	"	0.103	ND	47.2	80-120			QM-0
Xylene (p/m)	0.0979	0.00206		0.206	ND	47.5	80-120			QM-0
Xylene (o)	0.0430	0.00103	"	0.103	ND	41.8	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.128		"	0.124		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.124		92.8	80-120			

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch P1I0102 - *** DEFAULT PREP ***

Matrix Spike Dup (P1I0102-MSD1)	Source: 1H31003-03			Prepared &	Analyzed:	09/01/21				
Benzene	0.0835	0.00103	mg/kg dry	0.103	ND	81.0	80-120	16.3	20	
Toluene	0.0766	0.00103		0.103	ND	74.3	80-120	26.8	20	QM-07
Ethylbenzene	0.0694	0.00103	**	0.103	ND	67.3	80-120	35.0	20	QM-07
Xylene (p/m)	0.141	0.00206		0,206	ND	68.5	80-120	36.3	20	QM-07
Xylene (o)	0.0609	0.00103		0.103	ND	59.0	80-120	34.3	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		"	0.124		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.124		87.9	80-120			

Stingray Environmental & Construction 9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3107 - TX 1005										
Blank (P1H3107-BLK1)				Prepared &	Analyzed:	08/31/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	n							
>C28-C35	ND	25.0	н							
Surrogate: 1-Chlorooctane	97.5		"	100		97.5	70-130			
Surrogate: o-Terphenyl	52.3		"	50.0		105	70-130			
LCS (P1H3107-BS1)				Prepared &	Analyzed:	08/31/21				
C6-C12	924	25.0	mg/kg wet	1000		92.4	75-125			
>C12-C28	857	25.0	"	1000		85.7	75-125			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	55.5		"	50.0		111	70-130			
LCS Dup (P1H3107-BSD1)				Prepared &	Analyzed:	08/31/21				
C6-C12	922	25.0	mg/kg wet	1000		92.2	75-125	0.216	20	
>C12-C28	840	25.0		1000		84.0	75-125	2.00	20	
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			
Calibration Check (P1H3107-CCV1)				Prepared &	Analyzed:	08/31/21				
C6-C12	448	25.0	mg/kg wet	500		89.6	85-115			
>C12-C28	463	25.0		500		92.6	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			
Calibration Check (P1H3107-CCV2)				Prepared &	Analyzed:	08/31/21				
C6-C12	442	25.0	mg/kg wet	500		88.5	85-115			
C12-C28	460	25.0		500		92.0	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3107 - TX 1005										
Calibration Check (P1H3107-CCV3)				Prepared &	Analyzed:	08/31/21				
C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	492	25.0	*	500		98.3	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			
Matrix Spike (P1H3107-MS1)	Sou	rce: 1H31003	3-03	Prepared &	Analyzed:	08/31/21				
C6-C12	875	25.8	mg/kg dry	1030	ND	84.9	75-125			
>C12-C28	800	25.8		1030	21.8	75.5	75-125			
Surrogate: 1-Chlorooctane	104		"	103		100	70-130			
Surrogate: o-Terphenyl	56.0		"	51.5		109	70-130			
Matrix Spike Dup (P1H3107-MSD1)	Sou	rce: 1H31003	3-03	Prepared &	: Analyzed:	08/31/21				
C6-C12	872	25.8	mg/kg dry	1030	ND	84.5	75-125	0.381	20	
>C12-C28	812	25.8	*	1030	21.8	76.7	75-125	1.52	20	
Surrogate: 1-Chlorooctane	104		"	103		101	70-130	111		7
Surrogate: o-Terphenyl	56.3		"	51.5		109	70-130			

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***										
Blank (P1H3108-BLK1)				Prepared &	Analyzed:	08/31/21				
Chloride	ND	1.00	mg/kg wet							
LCS (P1H3108-BS1)				Prepared &	Analyzed:	08/31/21				
Chloride	402	1.00	mg/kg wet	400		101	90-110			
LCS Dup (P1H3108-BSD1)				Prepared &	Analyzed:	08/31/21				
Chloride	406	1.00	mg/kg wet	400		101	90-110	0.888	20	
Calibration Blank (P1H3108-CCB1)				Prepared &	Analyzed:	08/31/21				
Chloride	-0.206		mg/kg wet	•						
Calibration Blank (P1H3108-CCB2)				Prepared &	Analyzed:	08/31/21				
Chloride	0.00		mg/kg wet							
Calibration Check (P1H3108-CCV1)				Prepared &	Analyzed:	08/31/21				
Chloride	19.6		mg/kg	20.0		98.0	90-110			
Calibration Check (P1H3108-CCV2)				Prepared &	Analyzed:	08/31/21				
Chloride	19.9		mg/kg	20.0		99.5	90-110			
Calibration Check (P1H3108-CCV3)				Prepared &	Analyzed:	08/31/21				
Chloride	19.3		mg/kg	20.0		96.4	90-110			
Matrix Spike (P1H3108-MS1)	Sou	rce: 1H31003	-01	Prepared &	Analyzed:	08/31/21				
Chloride	602	1.03	mg/kg dry	515	105	96.5	80-120			
Matrix Spike (P1H3108-MS2)	Sou	rce: 1H27004	-02	Prepared &	Analyzed:	08/31/21				
Chloride	3640	11.8	mg/kg dry	1180	2320	112	80-120			

Stingray Environmental & Construction

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***									Toron .	
Matrix Spike Dup (P1H3108-MSD1)	Sou	rce: 1H31003	i-01	Prepared &	& Analyzed:	08/31/21				
Chloride	597	1.03	mg/kg dry	515	105	95.4	80-120	0.949	20	
Matrix Spike Dup (P1H3108-MSD2)	Sou	rce: 1H27004	-02	Prepared &	k Analyzed:	08/31/21				
Chloride	3580	11.8	mg/kg dry	1180	2320	107	80-120	1.56	20	
Batch P110104 - *** DEFAULT PREP ***										
Blank (P110104-BLK1)				Prepared &	Analyzed:	09/01/21				
% Moisture	ND	0.1	%							

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Midland TEXAS, 79706

Project Manager: Von Norman

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.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

Duplicate

MS Matrix Spike

Dup

Report Approved By:

Bun Barron

Date:

9/2/2021

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Project Manager:	10n 10	Vorman	-		Per 1400 Midi	Ran and,	Permian Basin Env 1400 Rankin HWY Midland, Texas 7	Permian Basin Environmental Lab, 1400 Rankin HWY Midland, Texas 79701	01	120	p, Lp	Pro	ject	Nam	e: 1/10	Project Name: Wostery Midstre	e: 432	Phone: 432-686-7235 Hery Midsh-Case	Re	THY.	20	ec c ive d by
Company Name:	Shingray		Enuiron	mental							1	D.	Project #:	Project #:	# 8	z		2	1	2	10	OĈD d 5/
City/State/Zip:					17				1		11			# Od	#							4/2023
Telephone No:				Fax No:	-							Rep	Report Format:	orm	hanned.	Standard		TRRP		NPDES	ES	3 12:5
Sampler Signature:	Um In	noman	101	e-mail:												=						8:33 1
(lab use only)																Ans	Analyze Fo	For:		П	suų:	PM-
ORDER # 145/003						L	Preser	Preservation 8 # of Containers	S to a C	certaine	80.	Matrix	×		T 01	TCLP: TOTAL:					48) 72	
FIELD CODE		diqeQ galinnige8	Ending Depth Date Sampled	belgmaß emiT	Pield Fiftered	Total #, of Containers	HNO	H ² 80 ⁴	HORN	Ne ₂ S ₂ O ₃	Other (Specify)	DW=Dnnking Water St=Sludge GW = Groundwater St=Sludge	NP=Non-Potable Specify Other TX 1006 XT 7006	Aniona (CI, SOA, Alkalinity)	BTEX 80218 030 or 8TEX 8260	Chloride					AZ (eluberio 2-ere) TAT HZUR TAT historit	TAT bisbnsi2
101		-	8-20-3	21 1:m Am	1	2					-	S	1		1	1	10 h				1	
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Relinquished by 7	Date	Time	Received	. Ag							Date	9	E	Time	Sample VOCs Labels Custod	Sample Containers Intact? VOCs Free of Headspace? Labels on container(s) Custody seals on container(s)	ers Intaleadspare	a? ae? ner(s)			ZZZZZ	Po
Reinquished by:	Date	Time	Received	10%	1	1	1		1	-	Date	8	F	Тиле	Sample	Sample Hand Delivered by Sampler/Client Rep.	elivered Slient Rep	3. 2 DHI	Y U	Z Z out	ZZZ	ige 85
Retinquished by:	Date	Time	Received	A A		1	1	1		1	87	1		1	Tempera	Temperature Upon Receipt Received:	non Rec	erpt.	Thermometo	100		of 463

Appendix 2

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information
Name Omne Dom. 46-63
Phone No. 432-634-3620

-		GENERATOR	NO.	200871
Operators Name Address Operators Name	Mirkfican	Permit/RRC No Lease/Well Name & No. County API No.	EDDI 30-015-32	29 Fy Com # 1
City, State, Zip Phone No.	er da	Rig Name & No.	MW.	Irlicia d
principal and the second control of the seco	E&P Waste/Service Identification an	id Amount (place volume next to		
Oll Based Muds Oll Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washout Water (Non-Injectable Washout Water (Non-Injectable Completion Fluid/Flow back (Non-Injectable Gathering Line Water/Waste (INTERNAL USE ONLY) Truck Washout (exempt waste	ion-Injectable) sle) Non-Injectable)	EWN DV	na peneration processed the waste)
WASTE GENERATION PROCESS:	DRILLING	COMPLETION [PRODUCTION	GATHERING LINES'
All non-exe	NON-EXEMPTE npt E&P waste must be analysed and be b	8 P. Waste/Service Identification and A selow the threshold limits for toxicity	A DOCUMENT OF THE PROPERTY OF	eactivity,
Non-Exempt Other		•please selec	t from Non-Exempt Waste List on I	back · · · · · · · · · · · · · · · · · · ·
QUANTITY	B - BARRELS	W. W.	Y-YARDS) 15 E-EACH
hazardo	261.24, or listed hazardous waste as definous is attached. (Check the appropriate itenformation RCRA Hazard		amended. The following documents Other (Provide Description Belo	The second second
(PRINT) AUTHORIZED AGENTS SIGNATURE), t	DATE		signature ::
Transporter's CLIASSIC Name PO-130x 15 Stepheswille	45	TRANSPORTER Driver's Name Print Name Phone No.	John al	1 7 P
Phone No. 325-310-0 Thereby certify that the above named mater SEPMENT DATE	17-15 ial(s) was/were picked up at the Generato	08-	hout incident to the disposal facility 20 - 2	listed bélow.
IN: 12.21. De OUT	TAMP DIS	SPOSAL FACILITY	RECE Name/No.	VING AREA
Permit No. Address Red Bluff Facility/ STF S053 US Highway 285, Or NORM READINGS TAKEN? (C Chloride	la, TX 79770	Phone No. If YES, was re Conductivity	432-448-4239 ading > 50 micro roentgens? (circle	24 ****
Chemical Analysis (Mg/I)		(mmhos/cm)	the state of the	Hq. v. sugaras and a second
1st Gauge 2nd Gauge Received	Inches to the state of the stat	Control of the contro	BS&W/BBLS Received Free Water Total Received 1963 To Sun	BS&W (%)
I hereby certify that the above load mate	the second second second	V 1	1/2/2 - 10000000	SCHATURE

R369	TEXAS NON-HAZA	ARDOUS OILFIELD WA	ASTE MANIFEST *REQUIRED INFORMAT		an Contact Information
Education C		,,,,		Phone No.	
Operator No.		CENERATION Permi	VARC No.	NO. 2308	375
	MIDSTREAM	Lease Name Count	& No. ICOSS L	JRHW 29 FEC	Comm#001
		API N	30 0	15-32106	
City, State, Zip Phone No.		Rig No	me & No. 40 0/	202	
	aste/Service Identification and			is or cubic yards)	
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washout Water (Non-injectable) Completion Fluid/Flow back (Non- Produced Water (Non-injectable) Gathering Line Water/Waste (No- INTERNAL USE ONLY Truck Washout (exempt waste)	n-injectable)	OTHER EXEMPT W	ASTES (lype and generation pro	cess of the waste)
WASTE GENERATION PROCESS:	DRILLING /	COMPLETION	PRODUCTION	☐ GATHER	ING LINES
All non-exempt E&P Non-Exempt Other	NON-EXEMPT E&P waste must be analysed and be belo				
QUANTITY	B - BARRELS	518.00	/	Y-YARDS)/5	E - EACH
ONE AL DOS SUNATURE TO PRINTING AUTHORIZED AGENTS SUNATURE TO		08-20 DATE	Dan	SIGNATURE	<u> </u>
	T	RANSPORTER	1766年海根	\odot	
Transporter's	CH - A AN CONTRACTOR CONTRACTOR	Drive	's Name		
Address Po. Box 1545		Print	Name		
Phone No. Stephenialis TX 7	(444)	Phone	1.10		
I hereby certify that the above named material(s) was	s/were picked up at the Generator's	Truck s site listed above and deli	-1-1-	posal facility listed below)	7)
(1-6	DRIVER'S SIGNATURE	_	08-20 DELIVERY DATE	DRIVER'S SI	(4)
TRUCK TIME STAMP	The same of the sa	POSAL FACILI	AND DESCRIPTION OF THE PERSON	RECEIVING AR	Contract to Contra
IN: 2:29 00 OUT:	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Name	~ 1	
Site Name/ Permit No. Red Bluff Facility/ STF-065 Address S053 US Highway 285 Orla TX 78	770	Phone	No. 432-448-4239		
NORM READINGS TAKEN? (Circle One		If YE	5, was reading > 50 micro roent	gens? (circle one) YE	s No
Chloride Chemical Analysis (Mg/l)		Condi	hos/cm)		рН
Feet	Inches	M(4:10) H (6) M	Swam	·	
1st Gauge	unches .		BS&W/BBLS Received	BS&W	(%)
2nd Gauge Received			Free Water Total Received		
I hereby certify that the above load material has b	peen (circle one): (ACCEPTED)	DENIED IF	enied, why?	MS SIGNATURE	

R36p	TEXAS N	ON-HAZARDOUS OILFIELD (PLEASE PRINT)		EST D INFORMATION	-1	an Contact Informatio
Operator No. Operators Name Address City, State, Zip	N MIDSTIZE	AP	mit/RRC No. se/Well me & No. unty No. Name & No.	FIDIN	Said	676 Yerl Const. # 0
Phone No.		and the same of th	PO No.	4(-0120	2	
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	WDN-INJEGTABLE-W. Washout Water (No. Completion Fluid/Fic Produced Water (No. Gathering Line Wate WTERNAL (USE ONLY Truck Washout (exer	ow back (Non-Injectable) on-Injectable) or-(Waste (Non-Injectable) mpt waste)		THEREXEMPTIWASTE	S (type and generation pro	
WASTE GENERATION PROCESS:	DRILLING	COMPLETION EXEMPT.E&P.Westc/Service Identific		RODUCTION	GATHER	ING LINES
All non-exempt Non-Exempt Other		d and be below the threshold limits	for toxicity (TCLP)		Para Contract and Contract Con	usiu <u>v. Nu</u> arkt
QUANTITY	В-	- BARRELS		A-YA	(RDS) 15	E - EACH
MSDS Info	matton RC	CRA Hazardous Waste Analysis O 8- 2		ther (Provide Descript	signature	4
(PRINT) AUTHORIZED AUCHTS SUPPLIES	(*)	TRANSPORT	R)強壓網			
Transporter's CLIASSIC Address Phone No. 375-344-07	5 1, Ty -11111	Or Pri	iver's Name Int Name Int Name Int No.	John Q		
I hereby certify that the above named material			elivered without i	20	facility listed below) DRIVER'S SI	GNATURE
TRUCK TIME STA	MP	DISPOSAL FACI	LITY	Name/N	ECEIVING AR	EA
Permit No. Address Red Bluff Facility/ STF-06 5053 US Highway 285, Orla, NORM READINGS TAKEN? (Circl	TX 79770	NO II	YES, was reading	32-448-4239 > 50 micro roentgens?	(circle one) YE	s NO
Chloride Chemical Analysis (Mg/l)			nductivity mmhos/cm)			7рн
1st Gauge 2nd Gauge Received I hereby certify that the above load material	tnche	ACCEPTED DENIED		Free Water Total Received	BS&V	/ (%)
NAME (MINT)	— () () () DATE)(-20 /mu	•		SIGNATURE	

Received by OCD: 5/4/202	23 12:58:33 PM TEXAS NO		MANIFEST QUIRED INFORMATION [®]	Company Man Name Jeff	LOP C
SOLITIONS		May 81	I mistassa and to to Hotel	Phone No. 432	-638-7693
Operator No.		GENERATOR Permit/RRC	No. many	natri 230) 6	70 mod
Operators Name Western (Midstream	Lease/Well Name & No. County	Ross Draw	39 Fd Co	m#001
City, State, Zip	The second state	API No. Rig Name & I	30-015 NON-T	- 32106	MA TOST TO
Phone No.		AFE/PO No.	((WV))	AL DEL SECTION	2 y 16 y
Oil Based Muds EXEM	IPT E&P Waste/Service Identifica	ation and Amount (place volume next)	THE RESERVE OF THE PARTY OF THE	cubic yards) (type and generation process	of the waste)
Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste	Washout Water (Non-I Completion Fluid/Flow Produced Water (Non- Gathering Line Water/\ INTERNAL USE ONLY Truck Washout (exemp	/ back (Non-Injectable) -Injectable) -Waste (Non-Injectable)	END		savina savina
WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING	LINES
All non-e		EMPT E&P Waste/Service Identification and and be below the threshold limits for toxicity		and Reactivity.	
Non-Exempt Other		*please sele	ect from Non-Exempt Waste Li	st on back	A COMPANY OF THE PARTY OF THE P
QUANTITY		ARRELS e as defined by 40 CFR Part 261 or any applic	15 Y-YAF		E - EACH
RCRA NON-EXEMPT: Oil fit 261 hazar	21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate to the ap	A CONTRACTOR OF THE SAME OF TH	is amended. The following docu	mentation demonstrating	A regulations, 40 CFR the waste as non-
RCRA NON-EXEMPT: Oil fit 261.3 hazai MSD IPRINT) AUTHORIZED AGENTS SIGNATUR Transporter's Name Classic Crane	ield waste which is non-hazardous tha 21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate of the second of the sec	as defined by 40 CFR, part 261, subpart D, a	Other (Provide Description Other Spour Sp	mentation demonstrating on Below)	the waste as non-
PRINT) AUTHORIZED AGENTS SIGNATUR (PRINT) AUTHORIZED AGENTS SIGNA	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate of the a	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w	Other (Provide Description Ot	SIGNATURE STANATURE Facility listed below.	the waste as non-
Prone No. SHIPMENT DATE TRUCK TIME Oil fil 261.3 haza (PRINT) AUTHORIZED AGENTS SIGNATUR Cransporter's SHIPMENT DATE OIL FILE 261.3 Crane Address Plansic Crane Address Plan	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate of the suppose of the	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w	Other (Provide Description Other (Provide Description Description Other (Provide De	STORATURE STORATURE DRIVER'S SIGNO ECEIVING AREA	TO have a some and a some a some and a some a some a some and a some and a some a some a some a some a some and a some a s
PRINT) AUTHORIZED AGENTS SIGNATURE (PRINT) AUTH	and Transport, Lf and Transport, Lf e, TX 7640 betrial(s) was/were picked up at the G STAMP JT:	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w	Other (Provide Description Ot	SIGNATURE SIGNATURE DRIVER'S SIGNAL ECEIVING AREA	the waste as non-
RCRA NON-EXEMPT: Oil file 261.3 hazai MSD Omal (PRINT) AUTHORIZED AGENTS SIGNATUR (PRINT) AUTHORIZED AGENTS SIGNATUR Fransporter's Name Address PD BOX 15 Stephen VIII STEPHEN DATE TRUCK TIME TRUCK TIME TRUCK TIME TRUCK TIME OU Site Name/ Permit No. Address Red Bluff Facility/ S' 5053 US Highway 285, NORM READINGS TAKEN? Chloride	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the approprios Information RCRA RC	TRANSPORTER Driver's Name Phone No. DISPOSAL FACILITY Phone No.	Other (Provide Description Ot	SIGNATURE SIGNATURE DRIVER'S SIGNAL Circle one) YES	The waste as non-
RCRA NON-EXEMPT: Oil file 261.: haza MSD OPPORT IPRINT) AUTHORIZED AGENTS SIGNATUR Pransporter's Name Classic Crane Address Pobline No. SHEPHEN VIII TRUCK TIME TRUCK TIME TRUCK TIME IN: OU Site Name/ Permit No. Address NORM READINGS TAKEN? Chloride Chemical Analysis (Mg/I)	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate of the control of the	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w DISPOSAL FACILITY Phone No. If YES, was r Conductivity	Other (Provide Description Ot	STRINGTURE STRING	the waste as non-
RCRA NON-EXEMPT: Oil fit 261 hazai MSD OPAN AUTHORIZED AGENTS SIGNATURE Fransporter's Name Classic Crane Address Phone No. 325 340- hereby certify that the above named ma OB-20-202 SHIPMENT DATE TRUCK TIME IN: OU Site Name/ Permit No. Address Address 5053 US Highway 285, NORM READINGS TAKEN? Chloride Chemical Analysis (Mg/I) Feet List Gauge 2nd Gauge	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the approprios Information RCRA RC	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w DISPOSAL FACILITY Phone No. If YES, was r Conductivity	Other (Provide Description Ot	STRINGTURE STRING	The waste as non-
RCRA NON-EXEMPT: Oil file 261.: hazai MSD OPAN (PRINT) AUTHORIZED AGENTS SIGNATUR (PRINT) AUTHORIZED AGENTS SIGNATUR Transporter's Name Phone No. hereby certify that the above named ma OB-20-20-20 SHIPMENT DATE TRUCK TIME TRUCK TIME IN: OU Site Name/ Permit No. Address Red Bluff Facility/ S' 5053 US Highway 285, NORM READINGS TAKEN? Chloride Chemical Analysis (Mg/I)	ield waste which is non-hazardous that 21-261.24, or listed hazardous waste ardous is attached. (Check the appropriate in the strength of the	as defined by 40 CFR, part 261, subpart D, a riate items as provided) A Hazardous Waste Analysis TRANSPORTER Driver's Name Phone No. Truck No. Senerator's site listed above and delivered w DISPOSAL FACILITY Phone No. If YES, was r Conductivity	Other (Provide Description Other (Provide Description Other (Provide Description Description Other (Provide De	SIGNATURE SIGNATURE DRIVER'S SIGNAL Circle one) PES	The waste as non- The waste as

Received by OCD: 5/4/2023 12:58:33 PM TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST *REQUIRED INFORMATION* Name Toff Permit/RRC No. Operator No. Lease/Well Ross Draw 29 Fed Com \$00 Destern Midstream Name & No. Operators Name Address County API No. City, State, Zip Rig Name & No. Phone No. AFE/PO No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oil Based Muds Oil Based Cuttings Washout Water (Non-Injectable) Water Based Muds Completion Fluid/Flow back (Non-Injectable) END DUMP Water Based Cuttings Produced Water (Non-Injectable) **Produced Formation Solids** Gathering Line Water/Waste (Non-Injectable) Tank Bottoms **E&P Contaminated Soil** Truck Washout (exempt waste) Gas Plant Waste **GATHERING LINES** WASTE GENERATION PROCESS: DRILLING COMPLETION PRODUCTION old limits for toxicity (TCLP), ignitability, Corrosivity and Reactivity Non-Exempt Other *please select from Non-Exempt Waste List on back E - EACH Y- YARDS QUANTITY That each waste has been properly described, classified and I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: load basis only) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) MSDS Information RCRA Hazardous Waste Analysis 08-20-2021 Don TRANSPORTER Transporter's Classic Grane and Transport, LP Driver's Name Name PO BOX 1545 Address Print Name Stephenville, TX Phone No. 325 340-0745 Truck No. Phone No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. RECEIVING AREA TRUCK TIME STAMP Name/No. IN: OUT: Site Name/ Phone No. Red Bluff Facility/STF-065 Permit No. Address 5053 US Highway 285, Orla, TX 79770 NO If YES, was reading > 50 micro roentgens? (circle one) NORM READINGS TAKEN? (Circle One) Chloride Conductivity pH (mmhos/cm Chemical Analysis (Mg/I) Inches BS&W (%) BS&W/BBLS Received 1st Gauge 2nd Gauge Free Water Total Received Received I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why? SIGNATURE NAME (PRINT) DATE TITLE



(PLEASE PRINT)

REQUIRED INFORMATION

Name Man Contact Information

		GENERATOR		82781
Operators Name Western Address	Midstream	Permit/F Lease/W Name & County API No.	ell Dace Ora	22106
City, State, ZipPhone No.		Rig Nam	1 -0	N 12r.11.19
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms	NON-INJECTABLE-WAT Washout Water (Non-I Completion Fluid/Flow Produced Water (Non- Gathering Line Water/ INTERNAL-USE ONLY	ERS Injectable) / back (Non-Injectable) -Injectable) Waste (Non-Injectable)		
E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS:	Truck Washout (exemp	COMPLETION	PRODUCTION	GATHERING LINES
All non-exe	NON-EX		ond Amgunt Mcity (TCLP), Ignitability, Carrassvity, and r select from Non-Exempt Waste List on	
QUANTITY	8 - B	ARRELS	15 Y-YARDS	E-EACH
RCRA NON-EXEMPT: load b	1-261.24, or listed hazardous waste dous is attached. (Check the approp	at does not exceed the minimum stand as defined by 40 CFR, part 261, subpart triate Items as provided)	ards for waste hazardous by characterist D, as amended. The following documen	cs established in RCRA regulations, 40 C tation demonstrating the waste as non-
RCRA NON-EXEMPT: load b	asis only) Id waste which is non-hazardous the 1-261.24, or listed hazardous waste dous is attached. (Check the approp	at does not exceed the minimum stand as defined by 40 CFR, part 261, subpart	ards for waste hazardous by characteristic D, as amended. The following documen Other (Provide Description Be	cs established in RCRA regulations, 40 Cf tation demonstrating the waste as non-
RCRA NON-EXEMPT: load b RCRA NON-EXEMPT: Oil fiel 261.21 hazard MSDS MSDS Drac Donuck [PRINT] AUTHORIZED AGENTS SIGNATURE Fransporter's lame Classic Cro Address P.D. BOX 15 Stephenyll Phone No. 325 340- heroby cortify that the above named mate	asis only) Id waste which is non-hazardous the 1-261.24, or listed hazardous waste dous is attached. (Check the appropriation RCRA Transport Transport 11e TX 7640 0745 erial(s) was/ware picked up at the G	at does not exceed the minimum stand, as defined by 40 CFR, part 261, subpart rate items as provided) A Hazardous Waste Analysis OS. 20. 20 DATE TRANSPORTER Print Na Phone N Truck No	Name Description Be to the following document of the following docume	cs established in RCRA regulations, 40 Cl tation demonstrating the waste as non-clow) signature
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RCRA NON-EXEMPT: load b RCRA NON-EXEMPT: Oil fiel 261.21 hazard MSDS MSDS Deat Don-Licut (PRINT) AUTHORIZED AGENTS SIGNATURE Fransporter's Name Classic Cro (PRINT) AUTHORIZED AGENTS SIGNATURE STANDARD SIGNATURE TRUCK TIME S IN: / D / 7 OUT Site Name/	asis only) Id waste which is non-hazardous that 1-261.24, or listed hazardous waste dous is attached. (Check the appropriation RCRA Ane and Transporting Transpo	at does not exceed the minimum stand, as defined by 40 CFR, part 261, subpart rate items as provided) A Hazardous Waste Analysis OR OD OD DATE TRANSPORTER Print Na Phone N Truck No Generator's site listed above and deliver Phone N OR OD	Name Description Be and a service of the service o	cs established in RCRA regulations, 40 Creation demonstrating the waste as non-slow) signature ty listed below. DERVER'S SIGNATURE EIVING AREA

R36P
SCIUTIONS CONTRACT

(PLEASE-PRINT)

REQUIRED INFORMATION*

Company Man Contact Information.

Name C 7 (38, 769)

SOLUTIONS		(PLEASE PI	KINI) KEWO	INED INFORMATION	Phone No. 432-638-7
perator No. 👑 👢		GENERA	Permit/RRC No.	NO.	485128
erators Name (PST) 2 ST (ern Mide	stream.	Lease/Weil Name & No. County	Koss Die	aw 29 Fed Cont
, State, Zip			API No. Rig Name & No. AFE/PO No.	non-d	rlling
EXEMPT	E&P Waste/Service Identifi	cation and Amount (pla	ce valume next to v	vaste type in barrels or cu	ible yards)
Based Muds Based Cuttings ter Based Muds ter Based Cuttings duced Formation Solids ik Bottoms Contaminated Soil	Washout Water (Nor Completion Fluid/Flo Produced Water (No Gathering Line Wate	ow back (Non-Injectable) on-Injectable) or/Waste (Non-Injectable)		SOTHER EXEMPT, WASTES IN	ype and generation process of the wante).
ASTE GENERATION PROCESS:	DRILLING	COMPLET	ION	PRODUCTION	GATHERING LINES
All non-exer -Exempt Other	*NON-t npt E&P waste must be analysee	EXEMPT E&P Waste/Service d and to below the thresho	d limits for toxicity (TO		
ANTITY	В-	BARRELS		15 Y-YARD	DS E-EACH
	us is attachèd. (Check the appro nformation RCI	RA Hazardous Waste Analys	5-23-21	Other (Provide Description	_
(MINT) AUTHORIZED AGENTS SIGNATURE		TRANSPO	DRTER		SIGNATUR
ress P.O. Box	1545 1545 1.112 IX 1/06	101	Driver's Name Print Name Phone No.	Kongi	2 BIAY
ne No. 35-34	Dolls) was/were picked up at she	Generator's site listed about	Truck No.	ut incident to the disposal fa	cillity listed below.
TRUCK TIME ST	DRIVER'S SIGNATURE	DISPOSAL	The Water and State of the Land		DAIVER'S SIGNATURE CEIVING AREA
Name/ nit No. Wishbone Facility/ RRC# S 2499 FM 3033 Stanton, TX	TF-055		Phone No.	Name/No.	
NORM READINGS TAKEN? (CI Chloride nical Analysis (Mg/I)		NO	If YES, was read Conductivity (mmhos/cm)	ing > 50 micro roentgens? (ci	rcle one) YES 7 NO
Feet	Inches	TANK BO	9(0)VS		
Gauge Gauge	iricnes		BS	&W/BBLS Received Free Water Total Received	BS&W (%)
I hereby certify that the above load mater	rial has been (circle one):,	ACCEPTED DENIED	If denied, why	Total Received	SIGNATURE



(PLEASE PRINT)

REQUIRED INFORMATION Name

Company Man Contect Information
Name 2
Phone No. 13.2 13.3 19

Oil Based Muds Oil Based Cuttings Washout W Water Based Muds Water Based Cuttings Water Based Cuttings Produced V Produced Formation Solids Tank Bottoms INTERNALS	e Identification and Amount TABLE WATERS Vater (Non-Injectable) of Fluid/Flow back (Non-Injectable) Une Water (Non-Injectable) Une Water/Waste (Non-Injectable) USE (DNIN) hout (exempt waste) COMP	Permit/RRC No. Lease/Weil Name & No. County API No. Rig Name & No. AFE/PO No. (place volume next to waste		eration process of the waste)
EXEMPT E&P Waste/Service Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS: DRILLING All non-exempt E&P waste must be Non-Exempt Other	TABLE WATERS Vater (Non-Injectable) In Fluid/Flow back (Non-Injectable) Water (Non-Injectable) Line Water/Waste (Non-Injectable) USE (ONLY) hout (exempt waste) COMP	Rig Name & No. AFE/PO No. (place volume next to waste e) Let No. Pletion PR Proce Identification and Amount cashold limits for toxicity (TCLP),	HER EXEMPT WASYES (type and year	eration process of the waste)
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on-Exempt Other		eshald limits for toxicity (TCLP),	The second secon	GATHERING LINES
UANTITY			ignitability, Corrosivity and Reactly	iy.
		*please select from	Non-Exempt Waste List on back	
ereby certify that the above listed material(s), is fare) not a bara	B - BARRELS		/5 Y-YARDS	E · EACH
MSDS Information [PRINT] AUTHORIZED AGENTS AGRATURE	RCRA Hazardous Waste A	8-33-21	her (Provide Description Below)	
ransporter's CASSIC Address F.O. BOX 1545 SHEPHEN VIIIO, TX none No. 325-240-1076	7640/	PORTER Oriver's Name Print Name Phone No.	2000 de 325-340	B 5 AU
SHIPMENT DATE DAYER'S SIGN	LE BIGG	above and delivered without in Otuver or L FACILITY	RECEIVIN	MUEAC DRIVER'S SIGNATURE
N: 7 S C OUT: ite Name/ ermit No. Red Bluff Facility/ STF-065 ddress S053 US Highway 285, Orla, TX 79770		Phone No. 43	Name/No	171
NORM READINGS TAKEN? (Circle One) YES Chloride	NO *	If YES, was reading > Conductivity (mmhos/cm)	50 micro roentgens? (circle one)	YES NO
hemical Analysis (Mg/I)		NAME AND ADDRESS OF THE OWNER, WHEN PERSON AND ADDRESS OF THE OWNER, W	The second secon	
	Inches	OTTOMS	1	

	L		TEXAS	NON-HAZA	RDOUS OILFI	ELD WASTE	MANIF	EST	Co	mpany Man Cont	act Informatio
H369					(PLEASE PRI	NT) *R	EQUIRE	D INFORMATION	* Name Phone	1121.750	1697
200000			le le	Area Texes (III)	35715.74	; -/->D///	one of	NO		NO. NO.	140
			E	T. T	SENERA			, NO		530.154	
Operator No.	1 70. + 00	11	1 1/2/200	-		Permit/RRC Lease/Well		PASCAC	2	GFort Co.	Harr
Operators Nam	16 MG2/3/	100 00	1,dsfrew	Per -		Name & No	0.	Eddy	40 0	THE COM	400
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City State 7in						API No.	. No	100	doil	1.00	
City, State, Zip Phone No.						Rig Name &		- 407-		(**)	
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E&P Contamin Gas Plant Was		9	Truck Washout (ex	empt waste)		-1.4	-	WIO			
	ERATION PROCESS:		DRILLING		COMPLETIO	N	□ P	RODUCTION		GATHERING LIN	ES
		xempt E&P v	# NUMBER CONTROL PROFESSION STATES FOR SELECTION STATES	いたかなりったが明りまとれるという	Waste/Service to w the threshold	limits for toxic	ity (TCLP)	Ignitability, Corresivi			
Non-Exempt O	ther					*please s	elect from	Non-Exempt Waste	List on back		
QUANTITY				B-BARRELS				15 x-x	ARDS	1	E - EACH
0	☐ MSD	S Information		RCRA Hazardou	s Waste Analysis			ther (Provide Descrip	tion Below)		ž.
V	MAL DOWN	ver			8.	23.21	_	Dur 1	96	MTURE	
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Transporter's	11.		E	Age A Alexander	MAINSPU	NICK	E. 133	T	I,	1.1	
Name	CADIC				_	Driver's Na	ime _	It 1	1411	110	
Address	40 ROX 12	(1)			-	Print Name	_	2355 217	0.0	0115	
Phone No.	STEPHE	VIIIE	14			Phone No.	-	325-34	0-0	79)	_
	Lithat the above named ma	toriallel war	huben played water	ha Canasata		Truck No.	-	anidant to the disease	I facility A.	ad balans	7
8-1	3-21	Lerial(s) was	Lete pickenopat t	ne Generato s	2116 li2160 anove	and delikered	3-3	/	The state of the s	ed talow.	
SHII	PMENT DATE	11	DRIVER'S SIGNATURE			0_0	DELIVERY	DATE	19	DRIVER'S SIGNATURE	
	TRUCK TIME	STAMP		DISI	POSAL F	ACILITY	Brees		RECEIVI	NG AREA	T
IN:	2.59 pmol	T:	4					Name/N	o.	-01	
Site Name/	Red Bluff Facility/ S	TEAGE				Phone No.		*		•	-
Permit No. Address	5053 US Highway 285,		70		-	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4	32-448-4239	_		
	NORM READINGS TAKEN		//	NO		If YES, wa	s reading	> 50 micro roentgens	? (circle one) YES	NO
Chemical Anal	Chloride					Conductivi (mmhos/	ty		,	7	pH
- Territori Paritori	1			A TOWN	NKBOT		T	-			
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1st Gauge 2nd Gauge		-					BS&W	//BBLS Received Free Water		BS&W (%)	
Received								Total Received			
				7	7	-			- L L.		



(PLEASE PRINT)

REQUIRED INFORMATION Name

Company Man Contact Information
Name

API No. Rig Name & No. AFL/PO No. AFL/P	E - EACH critical control of a certifications on a RA regulations, 40
Phone No. EXEMPT EXEP Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards) Oll Based Muds	E - EACH critical control of a certifications on a RA regulations, 40
Oil Based Muds Oil Based Cuttings Washout Water (Non-Injectable) Washout Water (Non-Injectable) Water Based Cuttings Water Based Muds Completion Fluid/Flow back (Non-Injectable) Produced Formation Solids Tank Bottoms EAP Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS: DRILLING NON-EXEMPT EAP Waster/Service Idualification and Amount NON-EXEMPT EAP Waster/Service Idualification and Amount NON-EXEMPT EAP Waster Service Idualification and Amount NON-Exempt Other Please select from Non-Exempt Waste List on back QUANTITY B - BARRELS Y - YARDS In thereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly descipated, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts or load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCR 251.21-26.124, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating hazardous is attached. (Check the appropriate items as provided) MSDS information RCRA NON-EXEMPT: Oil field wastes deviced in acceptable in RCRA Non-Exempt Waste hazardous by characteristics established in RCRA Non-Exempt: Other (Provide Description Below)	E - EACH critical control of a certifications on a RA regulations, 40
Washout Water (Non-Injectable) Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms EAP Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS: DRILLING NON-EXEMPT, ERP Waste/Service Iduatification and Amount Please select from Non-Exempt Waste List on back NON-Exempt Other Please select from Non-Exempt Waste List on back QUANTITY B - BARRELS NON-EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts of load basis only) Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts of load basis only) Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts of load basis only) Oil field wastes which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCF 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating hazardous is attached. (Check the appropriate Items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)	E - EACH cribed, classified an certifications on a
NON-EXEMPT. EXP. Waste for the threshold limits for toxicity (TCLP), ignitiability, corrosivity, and Reactivity ### Please select from Non-Exempt Waste List on back Source Sourc	E - EACH cribed, classified and certifications on a
All non-exempt EEP waste must be analysed and to below the threshold limits for toxicity (TCLP), ignitability, Corrosiolly, and Reactivity Non-Exempt Other *please select from Non-Exempt Waste List on back QUANTITY B - BARRELS Y - YARDS Thereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts of load basis only) RCRA EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating hazardous is attached. (Check the appropriate Items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)	E - EACH cribed, classified an certifications on a
B - BARRELS Sackaged, and is in proper condition for transportation according to applicable regulation. Signature Signa	E - EACH cribed, classified an certifications on a
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hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts of load basis only) Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCR 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other (Provide Description Below)	certifications on a
(PRINT) AUTHORIZED AGENTS SIGNATURE DATE SIGNATURE	
ransporter's CASIC Driver's Name DE FIANLILL Address P.O.Box 1745 STEPHANULE & Print Name Phone No. Truck No. 1785 - 740 - 60015 Truck No. 178	-
hereby certify that the above named material(s) was were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. SHOWENT DATE DELIVERY DATE DELIVERY DATE DELIVERY DATE RECEIVING AREA OF THE STAMP	
N: 10.11 HM OUT: Name/No	
ite Name/ Permit No. Wishbone Facility/ RRC# STF-055 Phone No. 432 Address 2499 FM 3033 Stanton, TX 79782	
NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) YES Chloride Conductivity	
hemical Analysis (Mg/I)(mmhos/cm)	NO pH

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	ECM	TICHE	•		

(PLEASE PRINT)

ESSUREMENTAL CONTROL C			Phone No	
	(GEV	ERYATIOR	NO. 48199	8
perator No.		Permit/RRC No.		
	Midstream	Lease/Well	ROSS DIAW 29 F	End Com Hos
perators Name Western	111183118914	Name & No.		Ca Contra
ddress		County	Eddy	
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ity, State, Zip		Rig Name & No.	non Drilling	
hone No.		AFE/PO No.		
	&P Waste/Service Identification and Amou		Supplied harved society his variety	Special results in the second
Oll Based Muds	INON-INJECTABLE WATERS	Control of the Contro	ER EXEMPT WASTES trype and generalition pro	occus of the wasto)
Oil Based Cuttings	Washout Water (Non-injectable)			
Water Based Muds	Completion Fluid/Flow back (Non-Injecta	able)	_ ,	7
Water Based Cuttings	Produced Water (Non-Injectable)		End dur	NF
Produced Formation Solids Tank Bottoms	Gathering Line Water/Waste (Non-Inject	(able)	CIA OIL	
E&P Contaminated Soil	Truck Washout (exempt waste)	Parameter (ACA) (A		
Gas Plant Waste				
WASTE GENERATION PROCESS:	☐ DRILLING ☐ COI	MPLETION PR	ODUCTION GATHER	RING LINES
		Service Identification and Amount	Commence of the Commence of th	Comment with the last of
All non-exemp	t E&P waste must be analysed and be below the		initability, Corresivity and Reactivity.	
- Interest of the second of th		please select from F		- 40
QUANTITY	B - BARRELS		5 Y-YARDS	E-EACH
), is (are) not a hazardous waste as defined by 40	CFR Part 261 or any applicable state	law. That each waste has been properly	described, classified and
packaged, and is in proper condition for transp	ortation according to applicable regulation. astes generated from oil and gas exploration and	production energians and are not	mived with non-exempt waste (8360 Acces	ots certifications on a per
RCRA EXEMPT: load basis		production operations and are not	made with their exempt made (1999 their	
	aste which is non-hazardous that does not excee	d the minimum standards for waste	hazardous by characteristics established in	RCRA regulations, 40 CFR
261.21-26	1.24, or listed hazardous waste as defined by 40	CFR, part 261, subpart D, as amende	d. The following documentation demonstr	ating the waste as non-
	is attached. (Check the appropriate items as pro			
MSDS Info	ormation RCRA Hazardous Wast	e Analysis Ott	er (Provide Description Below)	
			0	
U V	**	1. 02 01		1
PROVIT AUTHORIZED AGENTS SIGNATURE	-	4-23.21	SIGNATURA	1
Promition recorded in the second		ICD/ODZEDA		
and the same of th	IRAN	ISPORTER	261 1	
Transporter's Classic Co	one and Transport LP	Driver's Name	200	
Address Po Box	1545	Print Name	Poul García	++
41 14	TX 76401	Phone No.	325 340 0745	
Sighenuille		-	134.43	-
Phone No. 325 340	0145	Truck No.		
0	(s) was/were picked up at the Generator's site lis	ted above and delivered without inc	ident to the disposal facility listed below	
8.23.21		8.93.	5 +3/1	
SHIPMENT DATE	DRIVER'S SIGNATURE	. DELIVERY DA	CANADA TO A STATE OF THE PARTY	No. of Concession, Name of Street, or other party of the Concession, Name of Street, or other pa
TRUCK TIME STA	AMP DISPOS	AL FACILITY	RECEIVING AR	REA
IN: 1:00 Om OUT:		1.00	Name/No.	
Site Name/			0.0000000000000000000000000000000000000	7 17
Permit No. Wishbone Facility/ RRC# STF	-055	Phone No. 432	1	
Address 2499 FM 3033 Stanton, TX 7		1.2		
NORM READINGS TAKEN? (Circ		If VES was reading >	50 micro roentgens? (circle one) YE	es no
Chloride	Total III	Conductivity	your and the state of the state	7
Chemical Analysis (Mg/I)		(mmhos/cm)		pH
	TANK	BOTTOMS		4
Feet	Inches	4		
1st Gauge		BS&W/	BBLS Received BS&V	W (%)
2nd Gauge Received			Free Water Fotal Received	
received			- Landerson	111
I hereby certify that the above load materia	I has been (circle one): ACCEPTED	DENIED If denied, why?	The state of the s	
n llan-	.8.12	PCJE	mr.	.1
MAME (PRINT)	DATE	fine	. SIGNATURE	
mone (reset)				

R369	
EXTREMENDATE OF THE PERSON OF	

(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name		_
Phone No.		

		GENERAT	- APACALANA TANA	NO.	482343	
perators Name (L) 05 teV \(\Lambda\) ddress	Mid Stream	=	Permit/RRC No. Lease/Well Name & No. County API No.	Ross Dra Cody 30-015-		ed com#o
ty, State, Zip		=	Rig Name & No. AFE/PO No.	non di		
EXEMPT E& ill Based Muds iil Based Cuttings Vater Based Muds Vater Based Cuttings roduced Formation Solids ank Bottoms &P Contaminated Soil ias Plant Waste	P Waste/Service Identificatio INON-INIECTABLE WATERS Washout Water (Non-Inje Completion Fluid/Flow bat Produced Water (Non-Inje Gathering Une Water/Wa- INTERNAL USE ONLY. Truck Washout (exempt w	sectable) sck (Non-injectable) ectable) sste (Non-injectable)	olume next to wa	OTHER EXEMPT WASTES IN	uble yards) Nyur and perioration protect DumP	ss of the waste)
ASTE GENERATION PROCESS:	DRILLING	COMPLETION		PRODUCTION	GATHERIN	IG LINES
All-non-exampt	NON-EXEM E&P, waste must be analysed and	PT.ESP.Wasse/Service Ide I be below the threshold II	mits for toxicity (TCL	unt P), Ignitability, Corresivity, om Non-Exempt Waste List	and Reactivity	
UANTITY	B - BARF	RELS		1.5 Y-YARE	DS	E-EACH
RCRA NON-EXEMPT: load basis of Oil field wa 261.21-261	iste which is non-hazardous that d 1.24, or listed hazardous waste as is attached. (Check the appropriat	does not exceed the minim defined by 40 CFR, part 26	num standards for w 51, subpart D, as ama	aste hazardous by characte ended. The following docum Other (Provide Description	mentation demonstrati	CRA regulations, 40 CFR ing the waste as non-
RCRA NON-EXEMPT: load basis of Coll field wa 261,21-261 hazardous	only) este which is non-hazardous that d 1.24, or listed hazardous waste as is attached. (Check the appropriat	does not exceed the minim defined by 40 CFR, part 26 te items as provided) lazardous Waste Analysis	num standards for wish, subpart D, as ame	ended. The following docum	mentation demonstrati	ing the waste as not
Inche Exempt: load basis of 261,21-261 hazardous lazardous lazardo	only) iste which is non-hazardous that d 1.24, or listed hazardous waste as is attached. (Check the appropriat mation RCRA H. All Cin Transports TX 76401 1-145 (s) was/were picked up at the Gen	does not exceed the minim defined by 40 CFR, part 26 te items as provided) lazardous Waste Analysis	Driver's Name Print Name Phone No. Truck No. and delivered withou	Paul Guice 325 340 134 - 43 ut incident to the disposal f	n Below) acidity listercoology	J.
Increase I load basis of 261,21-261 hazardous I hazard	only) iste which is non-hazardous that d 1.24, or listed hazardous waste as is attached. (Check the appropriat mation RCRA H. AR AN Transfor TX 76401 DRIVER'S SIGNATURE	does not exceed the minim defined by 40 CFR, part 26 te items as provided) lazardous Waste Analysis	Driver's Name Print Name Phone No. Truck No. and delivered without 8 - 2 3 DELIVER	Paul Guc. 335 340 134-43 ut incident to the disposal for the particular to	parabolist in Below) parabolist in Section (Section 1987) parabolist	NATUZE
I CLASSIC CIC. Some No. 325 340 Contered to the above named materially supported that the above named materially	only) iste which is non-hazardous that d 1.24, or listed hazardous waste as is attached. (Check the appropriat mation RCRA H. ACRA H.	does not exceed the minim defined by 40 CFR, part 26 te items as provided) lazardous Waste Analysis TRANSPOR	Driver's Name Print Name Phone No. Truck No. and delivered without 8-23 DELITY Phone No.	Paul Guic. 325 340 134-43 ut incident to the disposal f	acidity lister declow	NATURE A

Western Midstream

830 S. East Ave. Kermit, Texas 79745

Site Remediation Report

Revised 4-20-22

Western Midstream Redhills Phase 3 and Phase 2 Eddy County, New Mexico

Western Midstream Incident #s 16018/16275

Red Hills Phase 3 – OCD job# 39490 Release date: 7/10/2021 Red Hills Phase 2 – OCD job# 39488 Release date: 8/2/2021



9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

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9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

Soil Remediation Summary for Western Midstream Redhills Phase 3 and Phase 2

1.0 INTRODUCTION

A release of produced water occurred at the Western Midstream Redhills Phase 3 and Phase 2 in Eddy County, New Mexico. Western Midstream representative Jeff Doerr retained the services of Stingray Environmental and Construction to remediate this release.

1.1 Site Description

The site is located in an active oil & gas field approximately 12.5 miles North of Orla, Texas in Eddy County, New Mexico. The release was caused from internal corrosion causing produced water to contact the surrounding soil. These 2 releases occurred on July 10, 2021 and August 2, 2021and impacted approximately 2,880 square feet of pipeline right of way. There were no impacts to surface water impoundments or waterways due to this release. The Texas Water Development Board (TWDB) groundwater database shows depth to groundwater at the nearest well being 42.7 feet below ground surface (BGS).

1.2 Scope of Work

Stingray Environmental and Construction's representatives in conjunction with Western Midstream's personnel and guidance from the New Mexico Administrative Code, Title 19 chapter 15, developed the following Scope of Work for this project:

1. Excavate the spill-impacted soil.

2. Following excavation procedures, collect confirmation soil samples of the excavated area for Chloride, TPH and BTEX lab analysis.

- Haul contaminated material to R360 Red Bluff in waste hauler permitted trucks for disposal.
- Subsequent to Chloride, TPH and BTEX analyses confirming targeted cleanup levels, backfill the excavated area with material brought in from a local mine and restore site to previous state.

1.3 Standard of Care

Stingray Environmental and Construction's services were performed in a manner consistent with generally accepted practices of the profession undertaken during the same period. Stingray Environmental and Construction makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Stingray Environmental and Construction does not warrant the work of laboratories, regulatory agencies or other third parties supplying information or used in the preparation of the report.

1.4 Scope Limitations

Findings, conclusions and recommendations resulting from these services were based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during these remediation activities. The data, interpretations, findings, and our recommendations were based solely upon information obtained at the time and within the scope of these services.

2.0 FIELD ACTIVITES

2.1 Excavation

Stingray Environmental and Construction began excavation on August 17, 2021 to bring all impacted soils to the surface. The spill yielded approximately 200 cubic yards of spill-impacted material. Confirmation soil samples of the excavation bottom were collected for laboratory analysis of TPH using Method TX1005 and EPA Method 8015M, chloride analysis and BTEX.

2.2 Remediation and Restoration

Approximately 200 cubic yards of spoil material was loaded in trucks with waste haulers permits and disposed of at the R360 Red Bluff facility. Approximately 200 cubic yards of fresh top soil from a local mine was used to backfill and dress out site. The site restoration was completed approximately August 27, 2021.

2.3 Soil Sampling

Confirmation soil samples were collected from the excavated areas bottom for chloride analysis, TPH analysis using Method TX1005 and EPA Method 8015M and BTEX by an independent laboratory. Soil samples collected for confirmation were placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a secured cooler. The samples and completed chain of custody were relinquished to PBELab, Inc. in Midland, Texas for analysis. The executed chain-of-custody forms, laboratory results summary, data sheets and laboratory results are provided in the Appendix 1 of the report.

3.0 FINDINGS AND CONCLUSIONS

Based on the analytical results all contaminated soils were brought to the surface and properly disposed of at a state approved facility. Based on results of our field activities and laboratory analysis, the target standards for TPH, Chlorides and BTEX in soil has been obtained. Western Midstream LP requests "No Further Action Required at this Time" for this location as the requirements outlined in 19.15.29.12 have been fulfilled.

Von Norman

Project Manager

In homan

Photo Documents









Beginning Photos Phase 2





Excavation Photos Phase 2 and Phase 3





Excavation Photos Pahe 3 and Phase 2





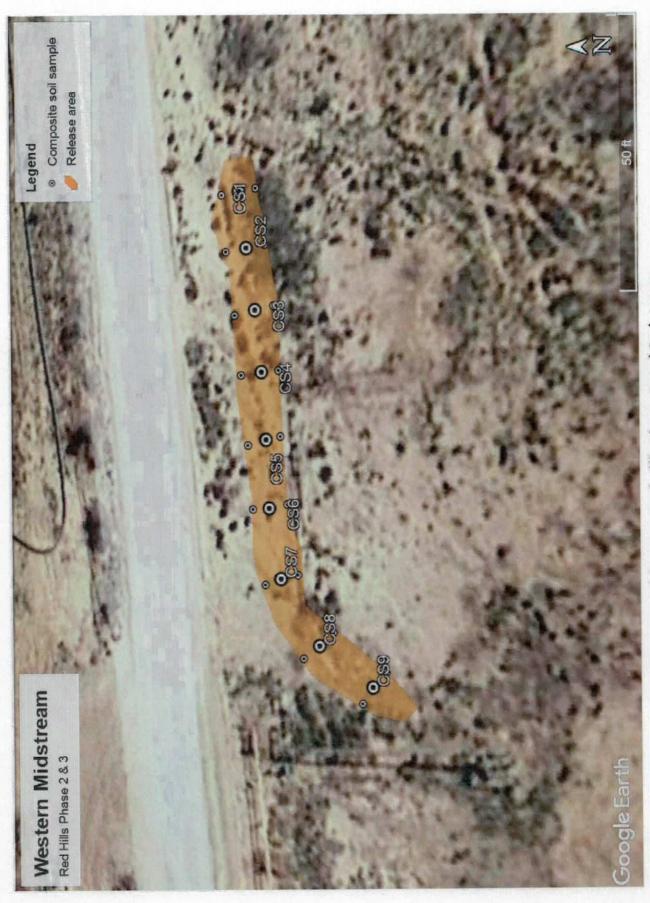
Final Photos Phase 2 and Phase 3



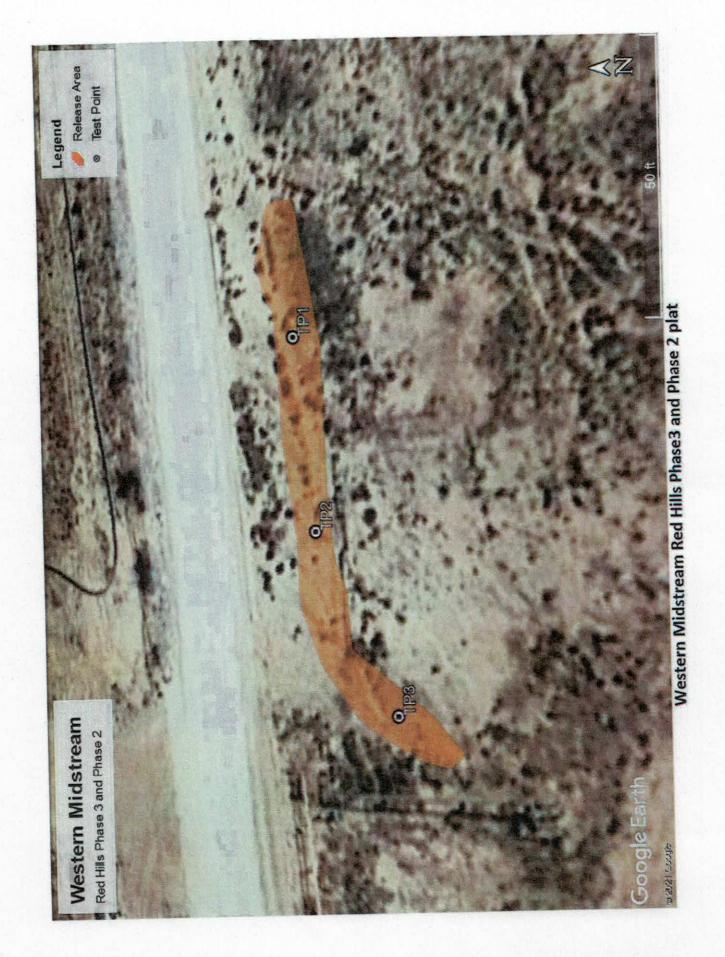


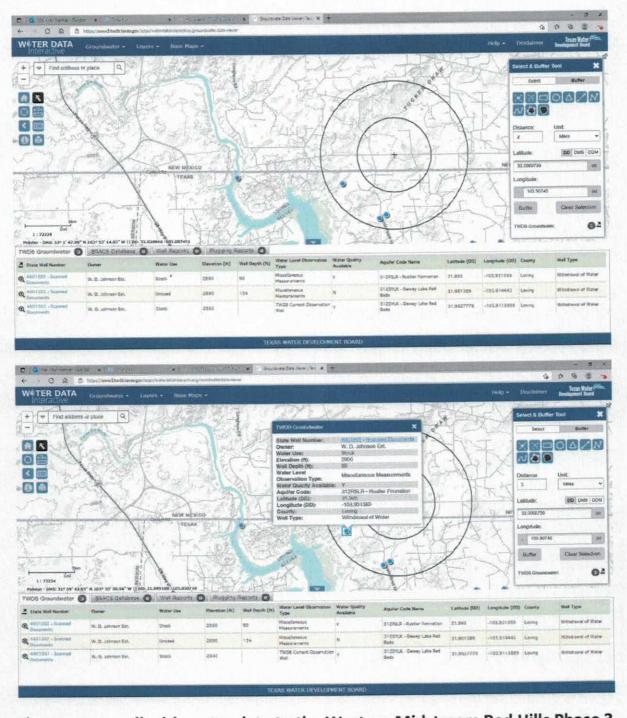
Final Photos Phase 3 and Phase 2

Maps



Western Midstream Red Hills Phase 2 and 3 plat map.





The nearest well with water data to the Western Midstream Red Hills Phase 3 and Phase 2 site is well number 4601202 and reflects a depth to ground water of 42.7 feet below ground surface (BGS). This information comes from the Texas Water Development Board Water Data Interactive web site.





GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	4601202				
County	Loving				
River Basin	Rio Grande				
Groundwater Management Area	3				
Regional Water Planning Area	F - Region F				
Groundwater Conservation District	GCD Does Not Exist				
Latitude (decimal degrees)	31.995				
Latitude (degrees minutes seconds)	31° 59' 42" N				
Longitude (decimal degrees)	-103.931389				
Longitude (degrees minutes seconds)	103° 55' 53" W				
Coordinate Source	+/- 1 Second				
Aquifer Code	312RSLR - Rustler Formation				
Aquifer	Rustler				
Aquifer Pick Method					
Land Surface Elevation (feet above sea level)	2850				
Land Surface Elevation Method	Interpolated From Topo Map				
Well Depth (feet below land surface)	80				
Well Depth Source	Driller's Log				
Drilling Start Date					
Drilling End Date	6/6/1966				
Drilling Method	Cable Tool				
Borehole Completion	Perforated or Slotted				

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Windmill
Annular Seal Method	
Surface Completion	
Owner	W. D. Johnson Est.
Driller	Holder Water Well Drilling and Service
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	4/19/1995
Last Update Date	3/4/2020

Remarks Reported yield 3 GPM with 24 feet drawdown in 1966. Specific capacity 0.12 GPM/ft.

Ca	sing
	-

			Approximate the Parket of the	The state of the s	
g Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
	Steel			0	80
Ç	Туре	Type Casing Material Steel			3 1,750

Well Tests - No Data

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	4	surface sand and gravel
4	31	gyp rock
31	47	sandy clay
47	62	gravel and clay
62	78	sand and gravel (water)
78	80	anhydrite and gyp

Annular Seal Range - No Data

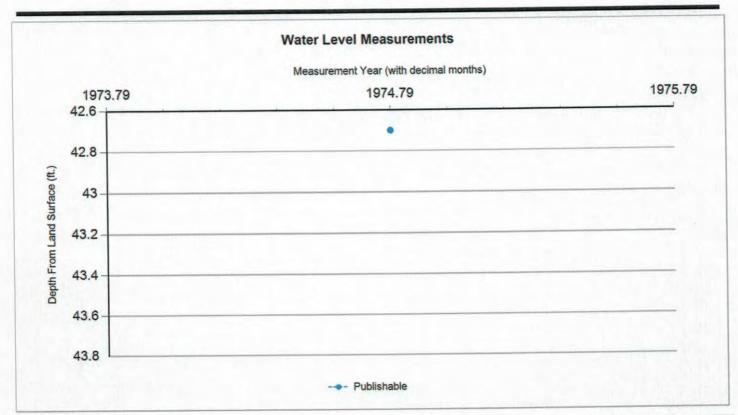




Borehole - No Data	Plugged Back - No Data	
Filter Pack - No Data	Packers - No Data	







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (tt. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	10/17/1974		42.7		2807.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
P	Publishable





Water Quality Analysis

Sample Date: 4/19/1995 Sample Time: 1400 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Rustler Formation

Analyzed Lab: Texas Department of Health Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		227	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		20	PC/L	
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	20	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	2	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		6	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<	1	ug/L	
03503	BETA, DISSOLVED (PC/L)		22	PC/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280.68	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.43	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	0.5	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		624	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		0	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		349	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	<	8	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)	<	8	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		21	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.44	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		2356	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		46	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)		5	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		130	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		192	mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)		2	ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)		0.13	ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		50	ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		20	ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		6.84	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		30.28	mg/L	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		< 0.0	mg/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		< 0.02	2 mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.7	mg/L	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		-65	5 MV	

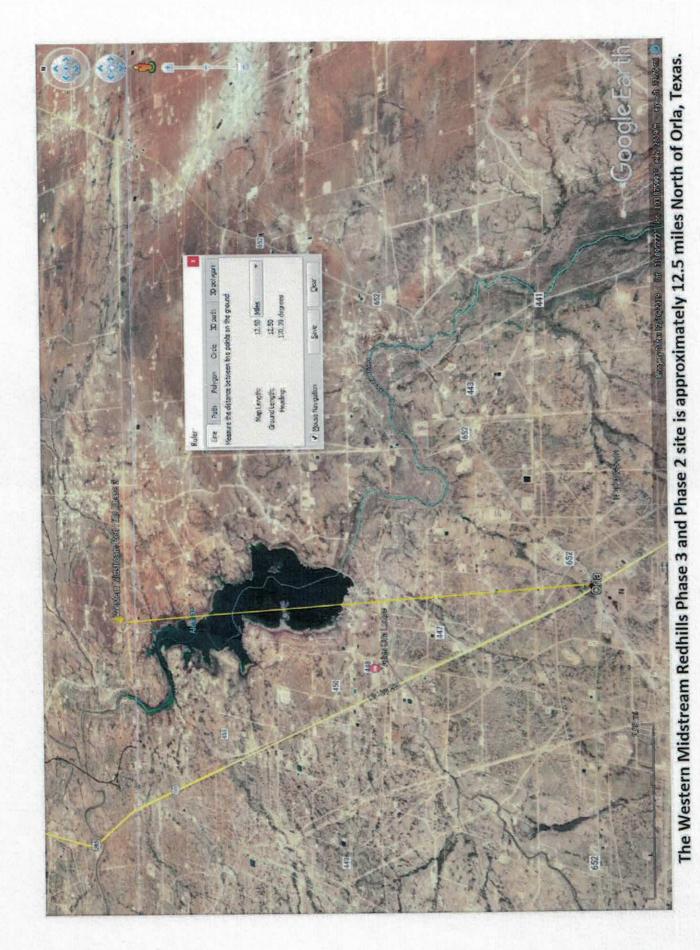




Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		6.85	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		12	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)		12.8	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		37	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	6	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.36		
00932	SODIUM, CALCULATED, PERCENT		12	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		152	mg/L	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		8770	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		1960	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		20.2	С	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	2	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		3504	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)	<	8	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		274	ug/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork...

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.



Released to Imaging: 9/21/2023 11:14:25 AM

Appendix 1



9009 W. County Rd 160 Midland, Texas 79706

FIELD ANALYTICAL REPORT FORM

CLIENT:	Western Midstream			
SITE:	Redhills Phase 2 and 3			
ANALYST:	Von Norman	CONTACT #_	432-202-4180	

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
CS1	4-12-22	6'	55	Split sample sent to lab
CS2	4-12-22	6'	60	Split sample sent to lab
CS3	4-12-22	4'	58	Split sample sent to lab
CS4	4-12-22	4'	54	Split sample sent to lab
CS5	4-12-22	2.5'	57	Split sample sent to lab
CS6	4-12-22	2.5'	59	Split sample sent to lab
CS7	4-12-22	3'	60	Split sample sent to lab
CS8	4-12-22	6'	65	Split sample sent to lab
CS9	4-12-22	6'	68	Split sample sent to lab

ANALYST NOTES: TPH field analysis by EPA Method 418.1 (modified)



9009 W. County Rd 160 Midland, Texas 79706

FIELD ANALYTICAL REPORT FORM

CLIENT:	Western Midstream			
SITE:	Redhills Phase 3 and Phase 2			
ANALYST:	Von Norman	CONTACT#_	432-202-4180	

SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
	6'	70	Split sample sent to lab
	2.5'	70	Split sample sent to lab
8-20-21	6'	80	Split sample sent to lab
		Chlorides	
8-20-21	6'	250	Split sample sent to lab
	2.5'	200	Split sample sent to lab
8-20-21	6'	250	Split sample sent to lab
	8-20-21 8-20-21	8-20-21 6' 8-20-21 2.5' 8-20-21 6' 8-20-21 6' 8-20-21 2.5'	8-20-21 6' 70 8-20-21 2.5' 70 8-20-21 6' 80 Chlorides 8-20-21 6' 250 8-20-21 2.5' 200

0		
ANALYST NOTES:	TPH field analysis by EPA Method 418.1 (modified)	
_		
	Chloride field analysis by silver nitrate method	

FIELD ANALYTICAL REPORT BACKGROUND

A portable TPH analyzer was used in accordance with EPA Method 418.1, to expedite the evaluation of delineation and dilution needs during the excavation phase of work required under SWR 3.91(d)(1). Once it was determined using the TPH portable analyzer that affected soils were brought to the surface and successfully reduced to <1% TPH, a representative soil sample of the excavation bottoms and composite sample of the spoil pile were taken and stabilized using ice and shipped to a certified laboratory for TPH analysis using Method TX 1005. Those sample results are included in this report in the following pages of Appendix 1.

The field portable TPH analyzer used in the field has the following manufacturer and model information:

Manufacturer: Wilks

Instrument name: Infracal 2

Model: TRANS-SP

from Spectro Scientific.



9009 W CR160 Midland, Texas 79706

LAB ANALYTICAL SUMMARY

CLIENT:	Western Midstream			
SITE:	Redhills Phase 2 and 3			
ANALVST.	Von Norman	CONTACT#	432-202-4180	

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
CS1	4-12-22	6'	ND	2D13008-01
CS2	4-12-22	6'	ND	2D13008-02
CS3	4-12-22	4'	ND	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	ND	2D13008-06
CS7	4-12-22	3'	ND	2D13008-07
CS8	4-12-22	6'	ND	2D13008-08
CS9	4-12-22	6'	ND	2D13008-09

ANALYST NOTES:_	Summary of PBEL lab report # 2D13008.
-----------------	---------------------------------------

TPH by EPA Method 8015M



11420 W. County Rd 33 Midland, Texas 79710

LAB ANALYTICAL SUMMARY

CLIENT:	Western Midstream			
SITE:	Redhills Phase 3 and Phase 2			
ANALYST:	Von Norman	CONTACT#_	432-202-4180	

SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE		
	6'	ND	1H31003-01		
	2.5'	ND	1H31003-02		
8-20-21	6'	ND	1H31003-03		
		Chlorides			
8-20-21	6'		1H31003-01		
		96	1H31003-02		
8-20-21	6'	113	1H31003-03		
		BTEX			
8-20-21	6'	ND	1H31003-01		
		ND	1H31003-02		
8-20-21	6'	ND	1H31003-03		
	8-20-21 8-20-21 8-20-21 8-20-21 8-20-21	8-20-21 6' 8-20-21 2.5' 8-20-21 6' 8-20-21 6' 8-20-21 6' 8-20-21 6' 8-20-21 6' 8-20-21 2.5'	8-20-21 6' ND 8-20-21 2.5' ND 8-20-21 6' ND Chlorides 8-20-21 6' 105 8-20-21 2.5' 96 8-20-21 6' 113 BTEX 8-20-21 6' ND		

ANALYST NOTES: Summary of PBEL lab report # 1H31003.

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Von Norman
Stingray Environmental & Construction
9013 West County Road 160
Midland, TEXAS 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Location:

Lab Order Number: 1H31003



Current Certification

Report Date: 09/02/21

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
TP1	1H31003-01	Soil	08/20/21 13:00	08-31-2021 11:15	
TP2	1H31003-02	Soil	08/20/21 13:30	08-31-2021 11:15	
TP3	1H31003-03	Soil	08/20/21 14:00	08-31-2021 11:15	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP1 1H31003-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
3TEX by 8021B							Transcoura Consulta		
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Organics by GC							entropie de 14		-
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: o-Terphenyl		119%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:03	[CALC]	
General Chemistry Parameters by	EPA / Stan	dard Met	hods				3000 TAN 24 TA	TR. 100.0	
Chloride	105	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 14:56	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I0104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP2 1H31003-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
TEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 1,4-Diffuorobenzene		114%	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: o-Terphenyl		119 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:25	[CALC]	
General Chemistry Parameters by	EPA / Stan	dard Me	thods					1000 2007	-
Chloride	96.0	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:42	EPA 300.0	
% Moisture	3.0	0.1	%	1	P110104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

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Stingray Environmental & Construction 9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP3 1H31003-03 (Soil)

		Reporting					Analyzed	Method	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzeu	Method	11010
		P	ermian B	asin Envi	ronmental La	ab, L.P.			
BTEX by 8021B									-
Benzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1%	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		115 %	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: o-Terphenyl		120 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:47	[CALC]	
General Chemistry Parameters by	EPA / Stan	dard Met	thods						
Chloride	113		mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:57	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I0104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

Stingray Environmental & Construction 9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P110102 - *** DEFAULT PREP ***										
Blank (P1I0102-BLK1)				Prepared &	Analyzed:	09/01/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	· w							
Xylene (o)	ND	0.00100	"							
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
LCS (P110102-BS1)				Prepared &	& Analyzed	: 09/01/21				
Benzene	0.100	0.00100	mg/kg wet	0,100		100	70-130			
Toluene	0.0989	0.00100		0.100		98.9	70-130			
Ethylbenzene	0.0949	0.00100	н	0.100		94.9	70-130			
Xylene (p/m)	0.196	0.00200		0.200		98.0	70-130			
Xylene (o)	0.0803	0.00100	"	0.100		80.3	70-130			
Surrogate: 1,4-Difluorobenzene	0.123		#	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.5	80-120			
LCS Dup (P110102-BSD1)				Prepared &	& Analyzed	: 09/01/21				
Benzene	0.0942	0.00100	mg/kg wet	0.100		94.2	70-130	6.01	20	
Toluene	0.0939	0.00100		0.100		93.9	70-130	5.23	20	
Ethylbenzene	0.0886	0.00100	. 11	0.100		88.6	70-130	6.96	20	
Xylene (p/m)	0.185	0.00200		0.200		92.3	70-130	5.96	20	
Xylene (o)	0.0801	0.00100		0.100		80.1	70-130	0.262	20	
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Matrix Spike (P1I0102-MS1)	So	urce: 1H3100	3-03	Prepared .	& Analyzed	1: 09/01/21				
Benzene	0.0709	0.00103		0.103	ND	68.8	80-120			QM-07
Toluene	0.0585	0,00103	"	0.103	ND	56.8	80-120			QM-07
Ethylbenzene	0.0487	0.00103		0.103	ND	47.2	80-120			QM-07
Xylene (p/m)	0.0979	0.00206		0.206	ND	47.5	80-120			QM-0
Xylene (o)	0.0430	0.00103		0.103	ND	41.8	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.128		"	0.124		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.124		92.8	80-120			

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Allaryte										

Batch P1I0102	_ ***	DEFAU	LT	PREP ***
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Matrix Spike Dup (P1I0102-MSD1)	Sou	rce: 1H31003	3-03	Prepared &	Analyzed:	09/01/21				
Benzene	0.0835	0.00103	mg/kg dry	0.103	ND	81.0	80-120	16.3	20	
Toluene	0.0766	0.00103	"	0.103	ND	74.3	80-120	26.8	20	QM-07
Ethylbenzene	0.0694	0.00103	û	0.103	ND	67.3	80-120	35.0	20	QM-07
and a second account	0.141	0.00206	"	0.206	ND	68.5	80-120	36.3	20	QM-07
Xylene (p/m) Xylene (o)	0.0609	0.00103	n	0.103	ND	59.0	80-120	34.3	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		n	0.124		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.124		87.9	80-120			

Stingray Environmental & Construction

9013 West County Road 160 Midland TEXAS, 79706

Surrogate: o-Terphenyl

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
	result									
Batch P1H3107 - TX 1005										
Blank (P1H3107-BLK1)				Prepared &	& Analyzed:	08/31/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0								
>C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	97.5		·H	100		97.5	70-130			
Surrogate: o-Terphenyl	52.3		"	50.0		105	70-130			
LCS (P1H3107-BS1)				Prepared &	& Analyzed	08/31/21				
C6-C12	924	25.0	mg/kg wet	1000		92.4	75-125			
>C12-C28	857	25.0		1000		85.7	75-125			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	55.5		"	50.0		111	70-130			
LCS Dup (P1H3107-BSD1)				Prepared &	& Analyzed	: 08/31/21				
C6-C12	922	25.0	mg/kg wet	1000		92.2	75-125	0.216	20	
>C12-C28	840	25.0	*	1000		84.0	75-125	2.00	20	
Surrogate: 1-Chlorooctane	102		"	100		102	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			
Calibration Check (P1H3107-CCV1)				Prepared a	& Analyzed	: 08/31/21				
C6-C12	448	25.0	mg/kg wet	500		89.6	85-115			
>C12-C28	463	25.0		500		92.6	85-115			
Surrogate: 1-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			
Calibration Check (P1H3107-CCV2)				Prepared .	& Analyzed	1: 08/31/21				
C6-C12	442	25.0	mg/kg wet	500		88.5	85-115			
>C12-C28	460	25.0	"	500		92.0	85-115			
Surrogate: 1-Chlorooctane	116		".	100		116	70-130			
				40.0		107	70 120			

50.0

53.6

9013 West County Road 160 Midland TEXAS, 79706

Surrogate: o-Terphenyl

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Result	%REC	Limits	RPD	Limit	Notes
Analyte	resur	Limit	Omio	23.11						
Batch P1H3107 - TX 1005										
Calibration Check (P1H3107-CCV3)				Prepared &	& Analyzed	: 08/31/21				
C6-C12	457	25.0	mg/kg wet	500		91.4	85-115			
>C12-C28	492	25.0	"	500		98.3	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	55.6		**	50.0		111	70-130			
Matrix Spike (P1H3107-MS1)	Sou	rce: 1H3100	3-03	Prepared &	& Analyzed	: 08/31/21				
C6-C12	875	25.8	mg/kg dry	1030	ND	84.9	75-125			
>C12-C28	800	25.8	"	1030	21.8	75.5	75-125			
Surrogate: 1-Chlorooctane	104		"	103		100	70-130			
Surrogate: o-Terphenyl	56.0		n	51.5		109	70-130			
Matrix Spike Dup (P1H3107-MSD1)	Sou	rce: 1H3100	3-03	Prepared &	& Analyzed	: 08/31/21				
C6-C12	872	25.8	mg/kg dry	1030	ND	84.5	75-125	0.381	20	
>C12-C28	812	25.8	"	1030	21.8	76.7	75-125	1.52	20	1.1.1
Surrogate: 1-Chlorooctane	104		"	103		101	70-130			
STATE OF THE PARTY						500				

Stingray Environmental & Construction

9013 West County Road 160 Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***										
				Drapared &	Analyzed:	08/31/21				
Blank (P1H3108-BLK1)		1.00		Frepared 8	Analyzeu.	00/31/21				
Chloride	ND	1.00	mg/kg wet							
LCS (P1H3108-BS1)				Prepared &	Analyzed:	08/31/21				
Chloride	402	1.00	mg/kg wet	400		101	90-110			
LCS Dup (P1H3108-BSD1)				Prepared &	2 Analyzed	08/31/21				
Chloride	406	1.00	mg/kg wet	400		101	90-110	0.888	20	
Calibration Blank (P1H3108-CCB1)				Prepared &	& Analyzed	: 08/31/21				
Chloride	-0.206		mg/kg wet							
Calibration Blank (P1H3108-CCB2)				Prepared &	k Analyzed	: 08/31/21				
Chloride	0.00		mg/kg wet							
Calibration Check (P1H3108-CCV1)				Prepared &	& Analyzed	: 08/31/21				
Chloride	19.6		mg/kg	20.0		98.0	90-110			
Calibration Check (P1H3108-CCV2)				Prepared &	& Analyzed	: 08/31/21				
Chloride	19.9		mg/kg	20.0		99.5	90-110			
Calibration Check (P1H3108-CCV3)				Prepared a	& Analyzed	: 08/31/21				
Chloride	19.3		mg/kg	20.0		96.4	90-110			
Matrix Spike (P1H3108-MS1)	So	urce: 1H3100	3-01	Prepared of	& Analyzed	1: 08/31/21				
Chloride	602	1.03	mg/kg dry	515	105	96.5	80-120			
Matrix Spike (P1H3108-MS2)	So	urce: 1H2700	4-02	Prepared of	& Analyzed	1: 08/31/21				
Chloride	3640	11.8	mg/kg dry	1180	2320	112	80-120			

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9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***										_
Matrix Spike Dup (P1H3108-MSD1)	Sou	rce: 1H31003	-01	Prepared &	Analyzed:	08/31/21				
Chloride	597	1.03	mg/kg dry	515	105	95.4	80-120	0.949	20	
Matrix Spike Dup (P1H3108-MSD2)	Sou	rce: 1H27004	-02	Prepared &	& Analyzed:	08/31/21				
Chloride	3580	11.8	mg/kg dry	1180	2320	107	80-120	1.56	20	
Batch P110104 - *** DEFAULT PREP ***										-
Blank (P1I0104-BLK1)				Prepared &	& Analyzed	09/01/21				
% Moisture	ND	0.1	%							

9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Notes and Definitions

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS QM-07

recovery.

Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range BULK

Analyte DETECTED DET

Analyte NOT DETECTED at or above the reporting limit ND

Not Reported NR

Sample results reported on a dry weight basis dry

Relative Percent Difference RPD

Laboratory Control Spike LCS

Matrix Spike MS

Duplicate Dup

	Dien	1 serior		
Report Approved By:			Date:	9/2/2021

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

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Very Midsh-Cam	Ti la		☐ TRRP		or:			guit.					act?	alner(s) er(s)	ered of Rep. 7 UPS OHL	oc Ther
Mid			p		Analyze For:					. n. P. j.			ommen iners Int Headsp	tainer(s) on conf	Delivere	Upon Re
Project Name: Western	Z		Standard	-	An	TOTAL:	Chloride	1	1				Laboratory Comments: Sample Containers Intact? VOCs Free of Headspace?	Labels on container(s) Custody seals on container(s) Custody seals un cooler(s)	Sample Hand Delivered by Sampler/Client Rep. ? by Couner? UPS	Temperature Upon Receipt: Received: "C
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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Von Norman
Stingray Environmental & Construction
9013 West County Road 160
Midland, TEXAS 79706

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Location: New Mexico

Lab Order Number: 2D13008



Current Certification

Report Date: 04/14/22

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS1	2D13008-01	Soil	04/12/22 10:00	04-13-2022 11:18
CS2	2D13008-02	Soil	04/12/22 10:15	04-13-2022 11:18
CS3	2D13008-03	Soil	04/12/22 10:40	04-13-2022 11:18
CS4	2D13008-04	Soil	04/12/22 11:05	04-13-2022 11:18
CS5	2D13008-05	Soil	04/12/22 11:30	04-13-2022 11:18
CS6	2D13008-06	Soil	04/12/22 12:15	04-13-2022 11:18
CS7	2D13008-07	Soil	04/12/22 13:30	04-13-2022 11:18
CS8	2D13008-08	Soil	04/12/22 14:10	04-13-2022 11:18
CS9	2D13008-09	Soil	04/12/22 14:45	04-13-2022 11:18

9013 West County Road 160 Midland TEXAS, 79706

C6-C35

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS1 2D13008-01 (Soil)

	F	Reporting					Amstered	Method	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	140103
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
General Chemistry Parameters by	EPA / Standa	ard Metl	hods				2 700 400 400 40	1 0m 1 paal (
% Moisture	1.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M					W-22-24-2	
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Surrogate: 1-Chlorooctane	8	86.0 %	70-130		P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Surrogate: o-Terphenyl		22.7%	70-130		P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Total Petroleum Hydrocarbon	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 22:28	calc	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS2 2D13008-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by % Moisture	1.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M					North Principal
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M
Surrogate: 1-Chlorooctane	8	86.5 %	70-130		P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M
Surrogate: o-Terphenyl		01.8 %	70-130		P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M
Total Petroleum Hydrocarbon	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 22:51	calc

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS3 2D13008-03 (Soil)

		Reporting	44.5		D 1	Downand	Analyzed	Method	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	rumyees	(8227)7777	

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by	EPA / Standa	rd Meth	ods					Technique and a Co
% Moisture	3.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M					
C6-C12	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M
>C12-C28	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M
Surrogate: 1-Chlorooctane	8	7.2 %	70-130		P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M
Surrogate: o-Terphenyl		5.2 %	70-130		P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 23:13	calc

9013 West County Road 160 Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS4 2D13008-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	Basin Envi	ronmental L	ab, L.P.			
			20120						
General Chemistry Paran % Moisture	neters by EPA / Standa 3.0	0.1	hods %	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	

25.8

25.8

25.8

25.8

81.2%

88.7 %

ND

ND

ND

ND

mg/kg dry

mg/kg dry

mg/kg dry

70-130

70-130

mg/kg dry

P2D1304

P2D1304

P2D1304

P2D1304

P2D1304

[CALC]

04/13/22 12:04

04/13/22 12:04

04/13/22 12:04

04/13/22 12:04

04/13/22 12:04

Total Petroleum Hydrocarbon C6-C35

C6-C12

>C12-C28

>C28-C35

Surrogate: 1-Chlorooctane

Surrogate: o-Terphenyl

04/13/22 23:36

04/13/22 23:36

04/13/22 23:36

04/13/22 23:36

04/13/22 23:36

TPH 8015M

TPH 8015M

TPH 8015M

TPH 8015M

calc

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS5 2D13008-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian !	Basin Envi	ronmental L	ab, L.P.			
General Chemistry Param	eters by EPA / Stand	ard Met			Par 1900	04112/20 16:50	04/13/22 17:01	ASTM D2216	
0/ Meletone	3.0	0.1	16	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	

Cotal Petroleum Hydrocarbons C6- C6-C12	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M
>C12-C28	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M
>C28-C35	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M
Surrogate: 1-Chlorooctane		7.7%	70-130	11114	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M
Surrogate: o-Terphenyl		6.1%	70-130		P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M
Total Petroleum Hydrocarbon	ND	25.8	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 00:43	calc
C6-C35								

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS6 2D13008-06 (Soil)

Market Control		Reporting						44.434	Notes
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by	EPA / Standa	rd Meth	ods					
% Moisture	1.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M					
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M
Surrogate: 1-Chlorooctane	9	2.4 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M
Surrogate: o-Terphenyl	9	2.3 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 01:05	cale

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS7 2D13008-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
	resuit	A. Sestina	- Cristing	ac association	42000000				

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by	EPA / Standa	rd Meth	ods					
% Moisture	1.0	0.1	56	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M					
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M
Surrogate: 1-Chlorooctane	7	9.2 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M
Surrogate: o-Terphenyl	7	7.7%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M
Total Petroleum Hydrocarbon	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 01:28	calc

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS8 2D13008-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
					4.11				

Permian Basin Environmental Lab, L.P.

General Chemistry Parameters by	EPA / Standa	ard Meth	ods					
% Moisture	1.0	0.1	96	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216
Total Petroleum Hydrocarbons C6-	C35 by EPA	Method	8015M					
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M
>C12-C28	ND	25.3	rog/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M
Surrogate: 1-Chlorooctane	7	79.0%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M
Surrogate: o-Terphenyl	7	79.6%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M
Total Petroleum Hydrocarbon	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 01:51	calc

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS9 2D13008-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
General Chemistry Parameters by E	DA / Stand	ard Met	hode						
% Moisture	1.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
% Moisture	1.0	0.1	94	1	P2D1309	04/13/22 16:59	04/13/22 17:01		
	1.0	0.1	94	1	P2D1309 P2D1304	04/13/22 16:59 04/13/22 12:04	04/13/22 17:01 04/14/22 02:14	ASTM D2216 TPH 8015M TPH 8015M	

ND

ND

25.3

25.3

82.1%

81.9%

mg/kg dry

70-130

70-130

mg/kg dry

P2D1304

P2D1304

P2D1304

[CALC]

C6-C35

>C28-C35

Surrogate: 1-Chlorooctane

Total Petroleum Hydrocarbon

Surrogate: o-Terphenyl

04/14/22 02:14

04/14/22 02:14

04/14/22 02:14

04/14/22 02:14

04/13/22 12:04

04/13/22 12:04

04/13/22 12:04

04/13/22 12:04

TPH 8015M

TPH 8015M

TPH 8015M

calc

9013 West County Road 160

Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706

Project Manager: Von Norman

Project: Western Midstream Red Hills Phase 2 & 3

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D1309 - *** DEFAULT PREP ***										
Blank (P2D1309-BLK1)				Prepared &	Analyzed:	04/13/22				
% Moisture	ND	0.1	%							
Duplicate (P2D1309-DUP1)	Sou	rce: 2D13008-	04	Prepared &	k Analyzed	: 04/13/22				
% Moisture	4.0	0.1	%		3.0			28.6	20	R

9013 West County Road 160 Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D1304 - *** DEFAULT PREP ***										
Blank (P2D1304-BLK1)				Prepared &	& Analyzed:	04/13/22				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
C28-C35	ND	25.0	"							
Surrogate: 1-Chlorooctane	98.9		#	100		98.9	70-130			
Surrogate: o-Terphenyl	53.7		"	50.0		107	70-130			
LCS (P2D1304-BS1)				Prepared &	& Analyzed	: 04/13/22				
C6-C12	819	25.0	mg/kg wet	1000		81.9	75-125			
>C12-C28	946	25.0	"	1000		94.6	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	54.8		"	50.0		110	70-130			
LCS Dup (P2D1304-BSD1)				Prepared &	& Analyzed	: 04/13/22				
C6-C12	825	25.0	mg/kg wet	1000		82.5	75-125	0.821	20	
>C12-C28	976	25.0	"	1000		97.6	75-125	3.08	20	
Surrogate: 1-Chlorooctane	127		#	100		127	70-130			
Surrogate: o-Terphenyl	62.7		*	50.0		125	70-130			
Calibration Check (P2D1304-CCV1)				Prepared 4	& Analyzed	1: 04/13/22				
C6-C12	474	25.0	mg/kg wet	500		94.8	85-115			
>C12-C28	500	25.0	,	500		99.9	85-115			
Surrogate: 1-Chlorooctane	117			100		117	70-130			
Surrogate: o-Terphenyl	55.7		,,	50.0		111	70-130			
Calibration Check (P2D1304-CCV2)				Prepared:	04/13/22	Analyzed: 0	4/14/22			
C6-C12	477	25.0	mg/kg wet	500		95.3	85-115			
>C12-C28	501	25.0		500		100	85-115			
Surrogate: 1-Chlorooctane	119		"	100		119	70-130			

55.2

Permian Basin Environmental Lab, L.P.

Surrogate: o-Terphenyl

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

110

50.0

70-130

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: ______ Date: ______ 4/14/2022

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

1400 Rankin HWY Midland, TX 79701 432-686-7235

Phone: 432-686-7235 Project Name: Western Midstream Redhills Phase 2 and 3	Constitute Obsess 2 and	Project #: Western Midstream Rodnins Friasts & and			TRRP NPDES		For				AN TAT HEUR											y Y Y Y Adams(s) Y		OHL Fed	77 1 00
Phone: 432-686-7235 Western Midstream Redhilli		Western Midstrea			Chandard	nieninain 1	Analyze F	TCLP.	TOTAL		to e e	>	>	*	λ	*	>	>	X	>	Laboratory Comments: Sample Containers Intact?	Labels on container(s) Custody seals on container(s)	Custody seals on coolei(s) Sample Hand Delivered	by Courier? Ul	Received: 4/2 °C
roject Name:		Project#:	Project Loc:	PO#:	Cornerst.	кероп гогтаг			E	8001 XT (Viinilexit	NP=Non-Potable S TPH: TX 1005 Aniona (Cl, SO+, 1 STEX 80218/503						+	+	+	+	703	Time	Time	T.	9/11/
		1	1		0	Кер	mod		s Matrix	1011200-2.10	Other (Specify) DW-Dimbing Water WD = Groundwater	S	S	S	co	S	S	S	S	S	-	Date	Date	-	22-E1- h
QUEST Permian Basin Environmental Lab, LP 1400 Rankin HWY Midland, Texas 79701							vnorman@stingrayec.com		& # of Container		HOWN BOOK							-							
QUEST Permian Basin Enviror 1400 Rankin HWY Midland, Texas 79701							man@stil		Preservation		FONH														1
EQUEST Permian Basin En 1400 Rankin HWY Midland, Texas 78							-4		L	6.0	Field Filtered Tobal #. of Contains los	Y 1 Y	Y 1 Y	Y 1 Y	Y 1 Y	Y 1 Y	Y 1 Y	Y 1 Y	Y 1 Y	∀ 1 ∀					
ORD AND ANALYSIS REQUEST Permian 1400 Ra Midland					3	Fax No:	e-mail:			р	elqma8 emiT	10:00AM	10:15AM	10:40AM	11:05AM	11:30AM	12:15PM	1:30PM	2:10PM	2:45PM				1	1
CORD AND										ş	peldme2 sted	4/12/22	4/12/22	4/12/22	4/12/22	4/12/22	4/12/22	4/12/22	4/12/22	4/12/22		Received by:	Received by:		Received by PBI
ODY RE		truction					2				Ending Depth									1		Time	MUC BUILL		Time
CUST		d Const					nem			q	Beginning Dep									-		111.	7		
CHAIN OF CUSTODY REC		Stingray Environmental and Construction	160	80707 sev	NGS (5) 00	80	En Ba	Γ		1												Date	417-03.		Date
B	Von Norman	Stingray Em	9009 W CR160	Midland Tayne 70708	Wildiam, 19	432-202-4180	The state of the s				CODE	CE1	680	CS3	CS4	CSS	CS6	CS7	CSB	cs9			1		
-	Project Manager:	Company Name	Company Address:	Chale Chale I The	ilyisiditizip.	Telephane No:	Sampler Signature:	1	UDISODR		5										Special Instructions:	1 Ship	on Morn	o by.	d by:
PI	5	ŏ	ŏ	(٥	Te	Ø	4	(lao use only)	(Vin	io esu del) # 8A	1	0	3 00	7	5	2	1	00	6	Special In:	Relinquished by.	160	venudrasus	Relinquished by:

Appendix 2

(PLEASE PRINT)

REQUIRED INFORMATION Name Omal Dom. 46-62
Phone No. 432 - 634 - 36-20

Control C		GENERATOR	No. 200871
fator No. tators Name fess	rn Mirlstream	Permit/RRC Lease/Well Name & No County API No.	EDDI 30-015-32106
r, State, Zip	, was that	Rig Name 8	a No.
	XEMPT E&P Waste/Service Ide	nuffication and Amount (place volume nex	t to waste type in barrels on cubic yards)
Based Muds Based Cuttings ater Based Muds ater Based Cuttings oduced Formation Solids nk Bottoms P Contaminated Soil	INON:INJECTABLE Washout Water Completion Flui Produced Wate Gathering Line	EWATERS (Non-Injectable) (d/Flow back (Non-Injectable) (Non-Injectable) Water/Waste (Non-Injectable)	EW DUMP
ASTE GENERATION PROCESS	DRILLING	COMPLETION	PRODUCTION GATHERING LINES
All	non-exempt E&P, waste must be an	ON-EXEMPT E&P Waste/Service Identification a alysed and be below the threshold limits for toxion please s	nd Amount city (TCLP), Ignitability, Corrosivity and Reactivity. elect from Non-Exempt Waste Ust on back
IANTITY		B - BARRELS	Y-YARDS) 15 E-EACH
RCRA EXEMPT: RCRA NON-EXEMPT:	load basis only)	dous that does not exceed the minimum standar s waste as defined by 40 CFR, part 261, subpart D	and are not mixed with non-exempt waste (R360 Accepts certifications on a pods for waste hazardous by characteristics established in RCRA regulations, 40 p., as amended. The following documentation demonstrating the waste as non Country (Provide Description Below)
Dinal Don	212442	08-20	Direct Responde
(PRONT) AUTHORIZED AGENTS S	Acceptance 3.	TRANSPORTER	
Idress PO 180 Steph	SSIC 0x 1545 0x 1545 0x 10-0745	Driver's N Print Nam Phone No Truck No.	140 G
nereby certify that the above nan	ned material(s) was/were picked up		od without incident to the disposal facility listed below. S-20-21 DELIVERY DATE DATE
	ME STAMP OUT:	DISPOSALIFACILITA	RECEIVING AREA Name/No.
NORM READINGS	Ility/ STF-065 ay 285, OHa, TX 79770 TAKEN? (Circle One) YES	Phone No	was reading > 50 micro roentgens? (circle one) YES NO
Chloride hemical Analysis (Mg/I)		MANICE (e)VIS	s/cm)
st Gauge nd Gauge ecelved	Feet	Inches (1976) And Andrews (1977) And	Million and an area of mean contract and state of the sta
I hereby certify that the above	load material has been (circle one)	The state of the s	lied, why?

R36p		JS OILFIELD WASTE MANII ASE PRINT) *REQUIRE	FEST Com D INFORMATION* Name _ Phone for	npany Man Contact Information Seff Doess No.
City, State, Zip	MIDSTREAM	Permit/RRC No. Lease/Well Name & No. County API No. Rig Name & No. AFE/PO No.	Ross DRHW 29 <u>FODY</u> 30-015-3210 46-01202	
Phone No. EXEMPT(E& Oil Based Muds Oil Based Cuttings Water Based Muds	P.Waste/Service Identification and Amou NDH-INTEGTABLE WATERS Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Inject	int (place volume next to was	nte type yn barrels o'r cubic yards OTNER EXEMPT WASTES tlypb and gan) cration process of the waste)
Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable) INTERNAL USE ONLY Truck Washout (exempt waste)			GATHERING LINES
WASTE GENERATION PROCESS: All hon-exempt Non-Exempt Other		c/Service (dentification and Amor Unreshold limits for (buildly (TGL)	int Control Control	
QUANTITY	B - BARRELS		Y-YARDS)/	5 E - EACH
MSDS Info	rmation RCRA Hazardous Was	08-20 DATE	Oan D	CATUME
	TRA	NSPORTER		
Transporter's Name Address Pio Box 154 Stepheicalli The	711101	Driver's Name Print Name Phone No. Truck No.	John (L	
I hereby certify that the above named materia	(s) was/were picked up at the Generator's site I	listed above and delivered without	RY DATE	DRIVEN'S SIGNATURE NG AREA
TRUCK TIME STA		SAL FACILITY Phone No.	Name/No.	D
Permit No. Red Bluff Facility/ STF-0 Address S053 US Highway 285, Orla NORM READINGS TAKEN? (Circ	TX 79770		ng > 50 micro roentgens? (circle one	YES NO
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Feet	Inches	(9:(0):e(0)\\S\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
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NAME (PRINTT)	DATE	nite *	SIG	NATURE

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Permit/Risk Civo. Less/World Manne & No. DEVENIFY-E-REVIVES County AN No. Service 1989 DEVENIFY-E-REVIVES County Manne & No. DEVENIES COUNTY ON THE SET WEST COUNTY OF PART 251 or any applicable state law. That each year of part of the county o		189Z	GENERAN	OR	NO.	2306	76
AND PERSONAL PROPERTY OF THE PRODUCTION GATHERING LINES Part of the Product Water of the	rator No.						
State, Zip State Music State Mu	PRINTER WESTER	N MIDSTIZE A	10		RUSS 1) K	14W 29 F	el convi
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B - BARRELS A - ARD S E - EACH		it ERP waste must be analysed	and be below the threshold	limits for toxicity (TCL	P) Ignitability Conosivity	and Reactivity	Washington
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Print Name Stephen 11 Ty 1, U 1 Phone No. 375-3 U - 0745 Truck No. 140 Bereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below 18-20 SHIPMINT DATE DISPOSAL FACILITY RECEIVING AREA Name/No. 1432-448-4239 Print Name Phone No. 140 Phone No. 1432-448-4239 Print Name Phone No. 1432-448-4239 Phone No	ama (2/15)/C			Driver's Name	John (K		
Truck No. A	ddress P.O. 130X 15						
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Received by OCD: 5/4/2023 12:58:33 PM TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Cange 159 of 463 Name Joff *REQUIRED INFORMATION* Phone No. 43 Permit/RRC No. Operator No. Lease/Well Ross Draw 29 Destern Midstrum Name & No. Operators Name County Address API No. Rig Name & No City, State, Zip AFE/PO No. Phone No EXEMPT E&P Waste/Service Identification and Amount (place volume next to waste type in barrels or cubic yards Oil Based Muds Oil Based Cuttings Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable) Water Based Muds END DUMP Produced Water (Non-Injectable) Water Based Cuttings Gathering Line Water/Waste (Non-Injectable) Produced Formation Solids Tank Bottoms Truck Washout (exempt waste) F&P Contaminated Soil Gas Plant Waste **GATHERING LINES** PRODUCTION WASTE GENERATION PROCESS COMPLETION DRILLING old limits for toxicity (TCLP), ignitability, Cornosivity and *please select from Non-Exempt Waste List on back Non-Exempt Other E - EACH Y - YARDS QUANTITY I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) Other (Provide Description Below) RCRA Hazardous Waste Analysis MSDS Information 08-20-202 SGNATURE TRANSPORTER Transporter's Classic Crane and Transport, LP Driver's Name Name Print Name Address ephen Ville TX Phone No. Truck No. 325 340-0745 Phone No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below 08-20-202 RECEIVING AREA TRUCK TIME STAMP Name/No OUT: IN: Site Name Phone No. 432-448-4239 Red Bluff Facility/ STF-065 Permit No. Address 5053 US Highway 285, Orla, TX 79770 If YES, was reading > 50 micro roentgens? (circle one) NO NORM READINGS TAKEN? (Circle One) YES Conductivity Chloride (mmhos/cm) Chemical Analysis (Mg/I) Inches BS&W (%) BS&W/BBLS Received 1st Gauge Free Water 2nd Gauge Total Received Received If denied, why? I hereby certify that the above load material has been (circle one): ACCEPTED

NAME (PRINT)

TITLE

SIGNATURE

Company Man Conse 160 of 463

	GENE	RATOR	NO. NO.	1671
perator No. perators Name ddress	Midstream	Permit/RRC No. Lease/Well Name & No. County	LAND AND AND ASSESSED IN	d Com#00l
ity, State, Zip		Rig Name & No.	non-drilling	March Charles
hone No.	&P Waste/Service Identification and Amoun	AFE/PO No.	type in barrels or cubic yards)	
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VASTE GENERATION PROCESS:	DRILLING CON	PLETION P	RODUCTION GAT	THERING LINES
All non evern	NON-EXEMPT E&P Waste/ opt E&P waste must be analysed and be below the t	Service Identification and Amount hreshold limits for toxicity (TCLP),	ignitability, Corrosivity and Reactivity.	
on-Exempt Other	Not served expression of the server of the s	*please select from	Non-Exempt Waste List on back	
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TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST

(PLEASE PRINT)

REQUIRED INFORMATION

Name .

Phone No. 4750

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R360
ENVIRONMENTAL STATEMENT

(PLEASE-PRINT)

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Company-A	Aan Con	had Information.	-
NameE	T	LOCI	_
Phone No. 4	307-	138-76	1

erator No. 18			,	28
perators Name & Am PSTE	orn midstream	Permit/RRC No. Lease/Well Name & No.	Ross Diaw 29	Fed Contoo
dress		County . API No.	30-1015-321	06
y, State, Zip		Rig Name & No.	non-delling	
one No.	E&P Waste/Service Identification and Amount	AFE/PO No.	este pune in parrels or cubic vards)	NAME OF TAXABLE PARTY.
Il Based Muds	NONINIECTABLE WATERS	(biace volume de vice vice vice	OTHER EXEMPT WASTES Type and generalities	process of the winte)
Il Based Cuttings Vater Based Muds	Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable)	le)		
/ater Based Cuttings roduced Formation Solids	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injecta			
ank Bottoms &P Contaminated Soil	Truck Washout (exempt waste)		END DUMPS	
as Plant Waste		PLETION	Name and Address of the Owner, where the Party of the Owner, where the Party of the Owner, where the Owner, which is the Owner, wh	HERING LINES
ASTE GENERATION PROCESS:		ervice Identification and Amo	THE STATE OF THE S	4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
All nan-exe	mpt E&P waste must be analysed and be below the th	reshold limits for toxicity (TC	P). Ignitability, Corrosivity and Readtivity.	10 To
on-Exempt Other		*please select fr	om Non-Exempt Waste List on back	5 54511
UANTITY	B - BARRELS al(s), is (are) not a hazardous waste as defined by 40 (/ 5 Y-YARDS	E-EACH
MAL DON' GUEZ PRINT) AUTHORIZED AGENTS SIGNATURE		8-23-21 DATE	Dan D (SIGNATURE)	
ransporter's Name	551C	SPORTER Oriver's Name Print Name	Romaie BI	aye
Phone No. 375.34	VIII TX 76401	Phone No. Truck No.	325-340-0	745
	Erfal(s) was/were picked up at the Generator's site list	0-6	121	ow. in Bras
TRUCK TIME S	Marie S. A. Charles Co. Co. Co.	AMPACHIA	RECEIVING Name/No.	AREA /
Site Name/		Phone No.	432	
Permit No. Wishbone Facility/ RRCM Address 2499 FM 3033 Stanton, 1				
NORM READINGS TAKEN? (Chloride		If YES, was real	ding > 50 micro roentgens? (circle one)	YES 7 NO
Chemical Analysis (Mg/l)		(mmhos/cm)_		pH
	The state of the s	BOTTONS		
1st Gauge Feet	Inches	В	The state of the s	BS&W (%)
2nd Gauge Received			Free Water Total Received	
I hereby certify that the above load ma	terial has been (circle one):	DENIED If denied, wh	122	
) Co-	- 1/25/21 -	KCUK	SIGNATURE	



(PLEASE PRINT)

	- 00		
Con	apany Mal Co	under Intorn	nation
Name_	Jet.	LA CONT	1602
Phone !	No. 7 3.7	630-	141)

	GENER	ATOR	NO. 231	7723
rator Ng. j. B		Permit/RRC No.	0 0	201 - 10-1
15 /1/06 LOFD	midstream	Lease/Well Name & No.	VOSS DIAW	27 recy com
rators Name	1.110	County	E CC	
lress	1000	API No.	30-015-321	06
2000		Rig Name & No.	non-drill	ing
, State, Zip		AFE/PO No.	/	/
ne No.	ste/Service Identification and Amount (p		scie type in barrels or cubic yards)	SPACE SECTION SECTION
Based Muds	NON-INJECTABLE WATERS	STANDARD ST	OTHER EXEMPT WASTES (type and generation	in process of the wasto)
Based Cuttings	Washout Water (Non-Injectable)			
eter Based Muds	Completion Fluid/Flow back (Non-Injectable)			
ater Based Cuttings	Produced Water (Non-Injectable) Gathering Line Water/Waste (Non-Injectable)			
nk Bottoms	INTERNALUSE ONLY	ENGLANCE ASSESSMENT	10	
P Contaminated Soil	Truck Washout (exempt waste)	Thr	WID	
S Plant Waste	DRILLING COMPL	ETION	PRODUCTION GAT	HERING LINES
STE GENERATION PROCESS.	NON-EXEMPT E&P Waste/Serv			cateap vo monerate Assesses
All nan-exempt E&P	vaste must be analysed and be below the thres	hald limits for toxicity (TC	P), Ignitability, Corrosivity and Reactivity.	
a-Exempt Other		*please select fro	om Non-Exempt Waste List on back	
ANTITY	B - BARRELS		/5 Y-YARDS	E - EACH
reby certify that the above listed material(s), is (ar		De a DEL co seu continuita	state law. That each waste has been prop	erly described, classified an
(PRINT) AUTHORIZED AGENTS GONATURE		8 - 33- 21	Ura D STONGTURE	- ;
ress F.O.BOXISE Stephenvil	TRANS	Driver's Name Print Name Phone No.	2000 Ponnie 335-340-	Bray Bray
TRUCK TIME STAME	S/C 127640/ 10,127640/ 10,145	Driver's Name Print Name Phone No. Truck No. above and delivered with	ALEX DATE RECEIVING	WOLA CL IVER'S SIGNATURE
one No. 326-340 ereby/certify-that-the above named material(s) was supported to the standard of the standard	S/C 127640/ 10,127640/ 10,145	Driver's Name Print Name Phone No. Truck No. above and delivered with	ALPHANE DER DER DER DER DER DER DER DER DER DE	WOLA CL IVER'S SIGNATURE
TRUCK TIME STAME TRUCK TIME S	S/C 127640/ 10,127640/ 10,145	Driver's Name Print Name Phone No. Truck No. above and delivered with	ALEX DATE RECEIVING	WOLA CL IVER'S SIGNATURE
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TRUCK TIME STAME TRUCK TIME STAME I:	DISPOSA	Driver's Name Print Name Phone No. Truck No. above and delivered withe Otun L FACILITY Phone No. If YES, was rear Conductivity	RECEIVING Name/No.	NERT SIGNATURE AREA D
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TRUCK TIME STAME N:	DISPOSA DISPOSA OTTO P VES NO TANK B	Driver's Name Print Name Phone No. Truck No. above and delivered without the second of	RECEIVING Name/No. 432-448-4239 ding > 50 micro roentgens? (circle one) S&W/BBLS Received Free Water	YES NO
TRUCK TIME STAMIN: TRUCK	DISPOSA DISPOSA OTTO P VES NO TANK B	Driver's Name Print Name Phone No. Truck No. above and delivered without the second of	RECEIVING Name/No. 432-448-4239 ding > 50 micro roentgens? (circle one)	YES NO
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MUNICIAS CONTRACTOR OF THE PROPERTY OF THE PRO	1				No. 407 600	Tall purpose
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rators Name Western	M.CIS-Kecium	Name &	((4).35)	SIAO	THE COM	400
ess		County	70-0	15-3010	ماد	
		API No.	AOV	- dril	live	
, State, Zip		AFE/PO				
ne No. EXEMPT E&P.	Waste/Service Identification ar	nd Amount (place volume)	ext to waste type in barr	els or cubic yan	ds)	
Based Muds	INON INJECTABLE WATERS	NEWSTRAND SHARWAY STREET, STRE	OTHER EXEMISTA	VASTES (Lype and p	Generation process of the	waste)
Based Cuttings ster Based Muds	Washout Water (Non-Injectab Completion Fluid/Flow back (N	Non-Injectable)				
ter Based Cuttings duced Formation Solids	Produced Water (Non-Injectate Gathering Line Water/Waste ((Non-Injectable)				
k Bottoms	Truck Washout (exempt waste		w w			
P Contaminated Soil Splant Waste			PRODUCTION		GATHERING LIN	ES
STE GENERATION PROCESS:	DRILLING	COMPLETION ELP_Wasto/Service Identification		nterrorransa statistica		
All non-exempt E	NON-EXEMPTE P waste must be analysed and be	below the threshold limits for t	oxicity (TCLP), Ignitability, Co	rrosivity and Read	tivity:	
n-Exempt Other		*plea	se select from Non-Exempt V	Vaste List on bac	k	_
ANTITY	B - BARRELS	5	. 12	Y - YARDS		E - EACH
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Company Mar	Contact	Information
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1 AMMINI	1000	Time	SIGNATUL	1

Western Midstream

830 S. East Ave. Kermit, Texas 79745

Site Remediation Report

Revised 8-11-22

Western Midstream Redhills Phase 3 and Phase 2 Eddy County, New Mexico

Western Midstream Incident #s 16018/16275

Red Hills Phase 3 – OCD job# 39490 Release date: 7/10/2021 Red Hills Phase 2 – OCD job# 39488 Release date: 8/2/2021



9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

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9009 W. County Rd 160 Midland, Texas 79706 P.O. Box 51983 Midland, Texas 79710 432-202-4180

Soil Remediation Summary for Western Midstream Redhills Phase 3 and Phase 2

1.0 INTRODUCTION

A release of produced water occurred at the Western Midstream Redhills Phase 3 and Phase 2 in Eddy County, New Mexico. Western Midstream representative Jeff Doerr retained the services of Stingray Environmental and Construction to remediate this release.

1.1 Site Description

The site is located in an active oil & gas field approximately 12.5 miles North of Orla, Texas in Eddy County, New Mexico. The release was caused from internal corrosion causing produced water to contact the surrounding soil. These 2 releases occurred on July 10, 2021 and August 2, 2021and impacted approximately 2,880 square feet of pipeline right of way. There were no impacts to surface water impoundments or waterways due to this release. The Texas Water Development Board (TWDB) groundwater database shows depth to groundwater at the nearest well being 42.7 feet below ground surface (BGS).

1.2 Scope of Work

Stingray Environmental and Construction's representatives in conjunction with Western Midstream's personnel and guidance from the New Mexico Administrative Code, Title 19 chapter 15, developed the following Scope of Work for this project:

1. Excavate the spill-impacted soil.

2. Following excavation procedures, collect confirmation soil samples of the excavated area for Chloride, TPH and BTEX lab analysis.

- Haul contaminated material to R360 Red Bluff in waste hauler permitted trucks for disposal.
- Subsequent to Chloride, TPH and BTEX analyses confirming targeted cleanup levels, backfill the excavated area with material brought in from a local mine and restore site to previous state.

1.3 Standard of Care

Stingray Environmental and Construction's services were performed in a manner consistent with generally accepted practices of the profession undertaken during the same period. Stingray Environmental and Construction makes no warranties, either express or implied, regarding the findings, conclusions or recommendations. Stingray Environmental and Construction does not warrant the work of laboratories, regulatory agencies or other third parties supplying information or used in the preparation of the report.

1.4 Scope Limitations

Findings, conclusions and recommendations resulting from these services were based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during these remediation activities. The data, interpretations, findings, and our recommendations were based solely upon information obtained at the time and within the scope of these services.

2.0 FIELD ACTIVITES

2.1 Excavation

Stingray Environmental and Construction began excavation on August 17, 2021 to bring all impacted soils to the surface. The spill yielded approximately 200 cubic yards of spill-impacted material. Confirmation soil samples of the excavation bottom were collected for laboratory analysis of TPH using Method TX1005 and EPA Method 8015M, chloride analysis and BTEX.

2.2 Remediation and Restoration

Approximately 200 cubic yards of spoil material was loaded in trucks with waste haulers permits and disposed of at the R360 Red Bluff facility. Approximately 200 cubic yards of fresh top soil from a local mine was used to backfill and dress out site. The site restoration was completed approximately August 27, 2021.

2.3 Soil Sampling

Confirmation soil samples were collected from the excavated areas bottom for chloride analysis, TPH analysis using Method TX1005 and EPA Method 8015M and BTEX by an independent laboratory. Soil samples collected for confirmation were placed in laboratory prepared glassware, sealed with custody tape and placed on ice in a secured cooler. The samples and completed chain of custody were relinquished to PBELab, Inc. in Midland, Texas for analysis. The executed chain-of-custody forms, laboratory results summary, data sheets and laboratory results are provided in the Appendix 1 of the report.

3.0 FINDINGS AND CONCLUSIONS

Based on the analytical results all contaminated soils were brought to the surface and properly disposed of at a state approved facility. Based on results of our field activities and laboratory analysis, the target standards for TPH, Chlorides and BTEX in soil has been obtained. Western Midstream LP requests "No Further Action Required at this Time" for this location as the requirements outlined in 19.15.29.12 have been fulfilled.

Von Norman

Project Manager

In hornan

Photo Documents









Beginning Photos Phase 2





Excavation Photos Phase 2 and Phase 3





Excavation Photos Pahe 3 and Phase 2





Final Photos Phase 2 and Phase 3



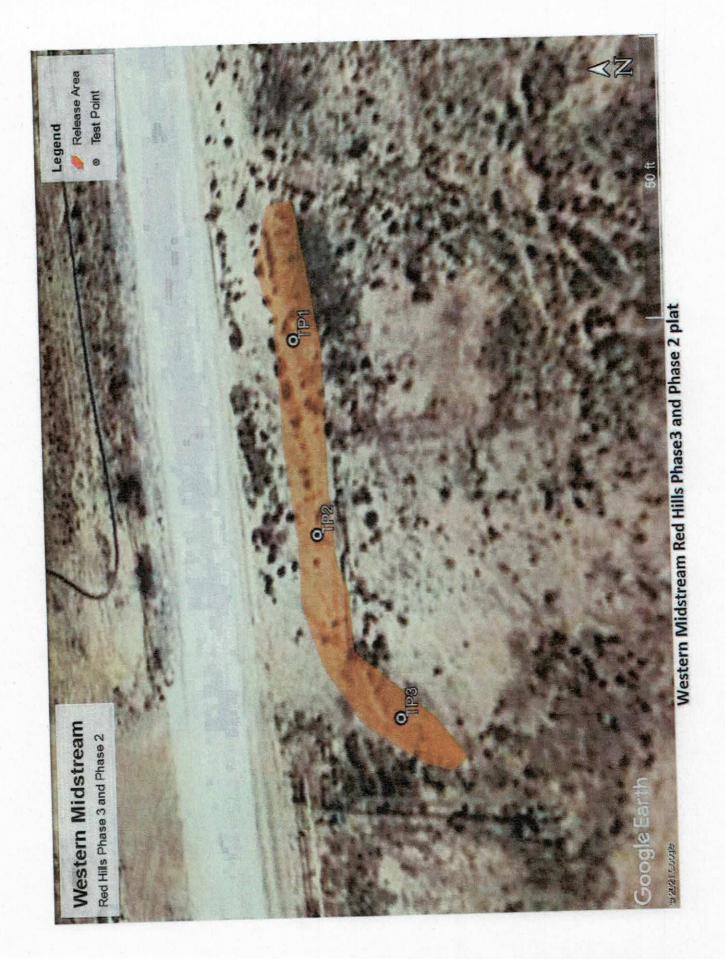


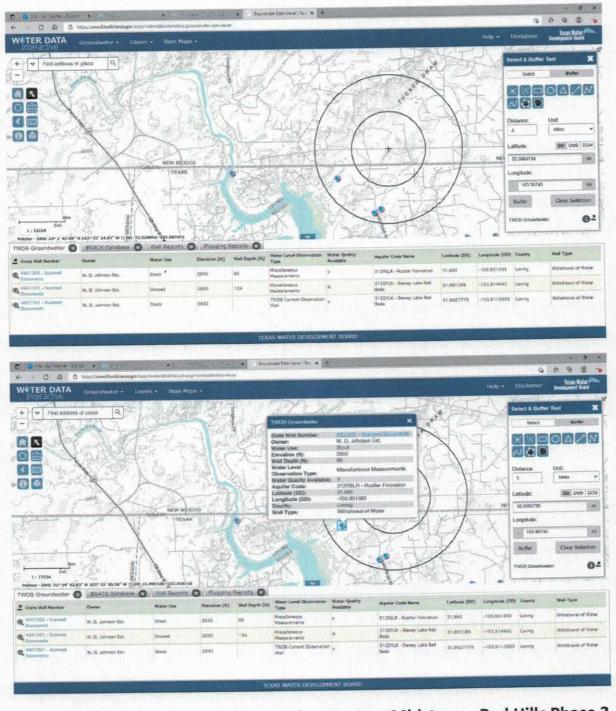
Final Photos Phase 3 and Phase 2

Maps



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The nearest well with water data to the Western Midstream Red Hills Phase 3 and Phase 2 site is well number 4601202 and reflects a depth to ground water of 42.7 feet below ground surface (BGS). This information comes from the Texas Water Development Board Water Data Interactive web site.





GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	4601202
County	Loving
River Basin	Rio Grande
Groundwater Management Area	3
Regional Water Planning Area	F - Region F
Groundwater Conservation District	GCD Does Not Exist
Latitude (decimal degrees)	31.995
Latitude (degrees minutes seconds)	31° 59' 42" N
Longitude (decimal degrees)	-103.931389
Longitude (degrees minutes seconds)	103° 55' 53" W
Coordinate Source	+/- 1 Second
Aquifer Code	312RSLR - Rustler Formation
Aquifer	Rustler
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	2850
Land Surface Elevation Method	Interpolated From Topo Map
Well Depth (feet below land surface)	80
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	6/6/1966
Drilling Method	Cable Tool
Borehole Completion	Perforated or Slotted

Well Type	Withdrawal of Water
Well Use	Stock
Water Level Observation	Miscellaneous Measurements
Water Quality Available	Yes
Pump	Piston
Pump Depth (feet below land surface)	
Power Type	Windmill
Annular Seal Method	
Surface Completion	
Owner	W. D. Johnson Est.
Driller	Holder Water Well Drilling and Service
Other Data Available	Drillers Log; Specific Capacity
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	
Groundwater Conservation District Well Number	
Owner Well Number	
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	4/19/1995
Last Update Date	3/4/2020

Remarks Reported yield 3 GPM with 24 feet drawdown in 1966. Specific capacity 0.12 GPM/ft.

Casing						
Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
Diameter (iii.)	ousing Type					0 80
6	Blank	Steel				0

Well Tests - No Data

Lithology				
Top Depth (ft.)	Bottom Depth (ft.)	Description		
0	4	surface sand and gravel		
4	31	gyp rock		
31	47	sandy clay		
47	62	gravel and clay		
62	78	sand and gravel (water)		
78	80	anhydrite and gyp		

Annular Seal Range - No Data

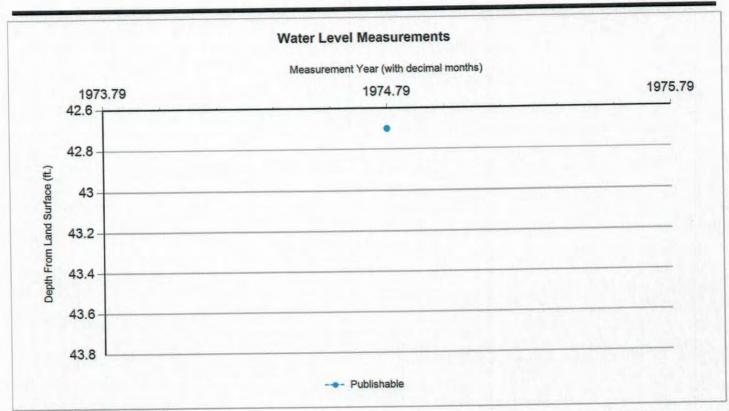




Borehole - No Data	Plugged Back - No Data	
Filter Pack - No Data	Packers - No Data	







Status Code	Date	Time	Water Level (ft. below land surface)	Change value in () indicates rise in level	Water Elevation (ft. above sea level)		Measuring Agency	Method	Remark	Comments
Р	10/17/1974		42.7		2807.3	1	Texas Water Development Board	Steel Tape		

Code Descriptions

Status Code	Status Description
Р	Publishable





Water Quality Analysis

Sample Date: 4/19/1995 Sample Time: 1400 Sample Number: 1 Collection Entity: Texas Water Development Board

Sampled Aquifer: Rustler Formation

Analyzed Lab: Texas Department of Health Reliability: Sampled using TWDB protocols

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
39086	ALKALINITY FIELD DISSOLVED AS CACO3		227	mg/L	
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		0	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		230	mg/L	
01503	ALPHA, DISSOLVED (PC/L)		20	PC/L	3
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	<	20	ug/L	
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	<	2	ug/L	
01000	ARSENIC, DISSOLVED (UG/L AS AS)	<	2	ug/L	
01005	BARIUM, DISSOLVED (UG/L AS BA)		6	ug/L	
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	<		ug/L	
03503	BETA, DISSOLVED (PC/L)			PC/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		280.68	mg/L	
71870	BROMIDE, DISSOLVED, (MG/L AS BR)		0.43	mg/L	
01025	CADMIUM, DISSOLVED (UG/L AS CD)	<	0.5	ug/L	
00915	CALCIUM, DISSOLVED (MG/L AS CA)		624	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		C	mg/L	
00941	CHLORIDE, DISSOLVED (MG/L AS CL)		349	mg/L	
01030	CHROMIUM, DISSOLVED (UG/L AS CR)		< 8	ug/L	
01035	COBALT, DISSOLVED (UG/L AS CO)		< 8	ug/L	
01040	COPPER, DISSOLVED (UG/L AS CU)		21	ug/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.44	1 mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		2356	mg/L	
01046	IRON, DISSOLVED (UG/L AS FE)		46	ug/L	
01049	LEAD, DISSOLVED (UG/L AS PB)		< !	ug/L	
01130	LITHIUM, DISSOLVED (UG/L AS LI)		130	ug/L	
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		192	2 mg/L	
01056	MANGANESE, DISSOLVED (UG/L AS MN)			2 ug/L	
71890	MERCURY, DISSOLVED (UG/L AS HG)		< 0.13	3 ug/L	
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)		< 5	0 ug/L	
01065	NICKEL, DISSOLVED (UG/L AS NI)		< 2	0 ug/L	
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)		6.8	4 mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		30.2	8 mg/L	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)		< 0.0	1 mg/L	
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		< 0.0	2 mg/L	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		0.	7 mg/L	
00090	OXIDATION REDUCTION POTENTIAL (ORP), MILLIVOLTS		-6	5 MV	

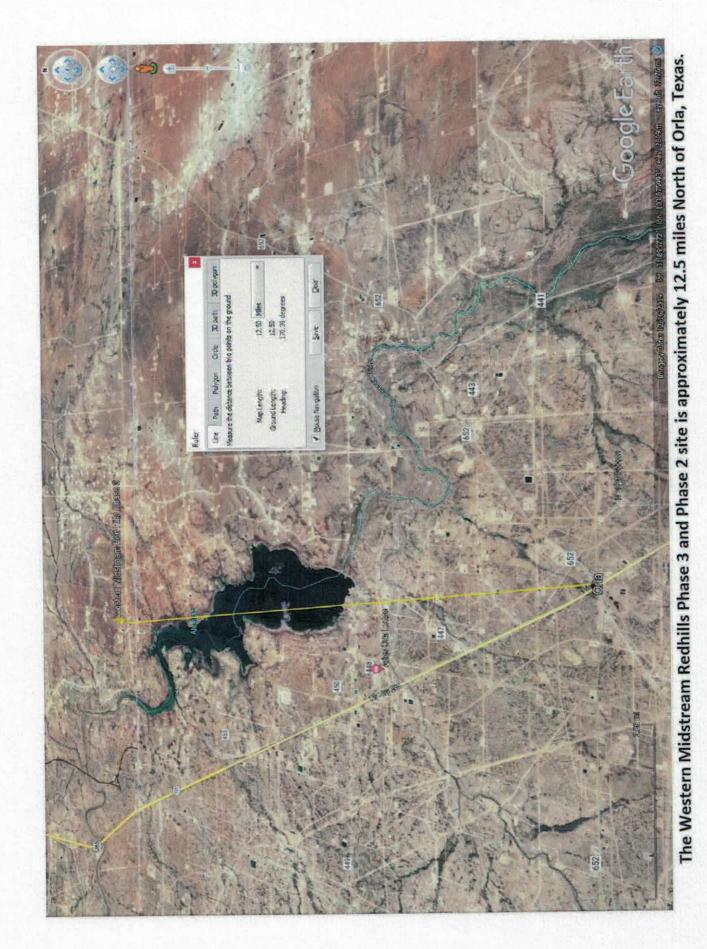




Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00400	PH (STANDARD UNITS), FIELD		6.85	SU	
00935	POTASSIUM, DISSOLVED (MG/L AS K)		12	mg/L	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		0		
01145	SELENIUM, DISSOLVED (UG/L AS SE)		12.8	ug/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		37	mg/L	
01075	SILVER, DISSOLVED (UG/L AS AG)	<	6	ug/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		1.36		
00932	SODIUM, CALCULATED, PERCENT		12	PCT	
00930	SODIUM, DISSOLVED (MG/L AS NA)		152	mg/L	
01080	STRONTIUM, DISSOLVED (UG/L AS SR)		8770	ug/L	
00946	SULFATE, DISSOLVED (MG/L AS SO4)		1960	mg/L	
00010	TEMPERATURE, WATER (CELSIUS)		20.2	C	
01057	THALLIUM, DISSOLVED (UG/L AS TL)	<	2	ug/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		3504	mg/L	
01085	VANADIUM, DISSOLVED (UG/L AS V)		8	ug/L	
01090	ZINC, DISSOLVED (UG/L AS ZN)		274	ug/L	

^{*} Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork...

GWDB DISCLAIMER: Except where noted, all of the information provided in the Texas Water Development Board (TWDB) Groundwater Database (http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp) is believed to be accurate and reliable; however, the TWDB assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. PLEASE NOTE that users of these data are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via the Groundwater Database (GWDB). TWDB specifically disclaims any and all liability for any claims or damages that may result from providing GWDB data or the information it contains. For additional information or answers to questions concerning the TWDB GWDB, contact the Groundwater Data Team at GroundwaterData@twdb.texas.gov.



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Appendix 1

Western Midstream



9009 W. County Rd 160 Midland, Texas 79706

FIELD ANALYTICAL REPORT FORM

SITE: Re	dhills Phase 2 and 3			
ANALYST:Vo	on Norman	CONT	ACT # 432-2	02-4180
SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
CS1	4-12-22	6'	55	Split sample sent to lab
CS2	4-12-22	6'	60	Split sample sent to lab
CS3	4-12-22	4'	58	Split sample sent to lab
CS4	4-12-22	4'	54	Split sample sent to lab
CS5	4-12-22	2.5'	57	Split sample sent to lab
CS6	4-12-22	2.5'	59	Split sample sent to lab
CS7	4-12-22	3'	60	Split sample sent to lab
CS8	4-12-22	6'	65	Split sample sent to lab
CS9	4-12-22	6'	68	Split sample sent to lab

0
ANALYST NOTES: TPH field analysis by EPA Method 418.1 (modified)

7007 W. County Ku 100 Midiana, 1 exas /9/06

FIELD ANALYTICAL REPORT FORM

CLIENT: Western Midstream

SITE: Redhills Phase 3 and Phase 2

ANALYST: Von Norman CONTACT # 432-202-4180

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
TP1	8-20-21	6'	70	Split sample sent to lab
TP2	8-20-21	2.5'	70	Split sample sent to lab
TP3	8-20-21	6'	80	Split sample sent to lab
			Chlorides	
TP1	8-20-21	6'	250	Split sample sent to lab
TP2	8-20-21	2.5'	200	Split sample sent to lab
TP3	8-20-21	6'	250	Split sample sent to lab

ANALYST NOTES: TPH field analysis by EPA Method 418.1 (modified)

Chloride field analysis by silver nitrate method

FIELD ANALYTICAL REPORT BACKGROUND

A portable TPH analyzer was used in accordance with EPA Method 418.1, to expedite the evaluation of delineation and dilution needs during the excavation phase of work required under SWR 3.91(d)(1). Once it was determined using the TPH portable analyzer that affected soils were brought to the surface and successfully reduced to <1% TPH, a representative soil sample of the excavation bottoms and composite sample of the spoil pile were taken and stabilized using ice and shipped to a certified laboratory for TPH analysis using Method TX 1005. Those sample results are included in this report in the following pages of Appendix 1.

The field portable TPH analyzer used in the field has the following manufacturer and model information:

Manufacturer: Wilks

Instrument name: Infracal 2

Model: TRANS-SP

from Spectro Scientific.



LAB ANALYTICAL SUMMARY

CLIENT: Western Midstream

Redhills Phase 2 and 3

SITE: Rednins I hase 2 and 3

ANALYST: Von Norman CONTACT # 432-202-4180

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
CS1	4-12-22	6'	ND	2D13008-01
CS2	4-12-22	6'	ND	2D13008-02
CS3	4-12-22	4'	ND	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	ND	2D13008-06
CS7	4-12-22	3'	ND	2D13008-07
CS8	4-12-22	6'	ND	2D13008-08
CS9	4-12-22	6'	ND	2D13008-09
			Chloride/ppm	
CS1	4-12-22	6'	259	2D13008-01
CS2	4-12-22	6'	267	2D13008-02
CS3	4-12-22	4'	184	2D13008-03
CS4	4-12-22	4'	179	2D13008-04
CS5	4-12-22	2.5'	165	2D13008-05
CS6	4-12-22	2.5'	238	2D13008-06
CS7	4-12-22	3'	243	2D13008-07
CS8	4-12-22	6'	234	2D13008-08
CS9	4-12-22	6'	235	2D13008-09

ANALYST NOTES: Summary of PBEL lab report # 2D13008.

TPH by EPA Method 8015M. Page 1 of 4



LAB ANALYTICAL SUMMARY

CLIENT: Western Midstream

SITE: Redhills Phase 2 and 3

ANALYST: Von Norman CONTACT # 432-202-4180

SAMPLE ID	SAMPLE DATE	DEPTH	Benzene/ppm	SAMPLE NOTE
CS1	4-12-22	6'	ND	2D13008-01
CS2	4-12-22	6'	0.00148	2D13008-02
CS3	4-12-22	4'	ND	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	0.00446	2D13008-06
CS7	4-12-22	3'	0.00320	2D13008-07
CS8	4-12-22	6'	0.00207	2D13008-08
CS9	4-12-22	6'	0.00257	2D13008-09
			Toluene/ppm	
CS1	4-12-22	6'	0.0207	2D13008-01
CS2	4-12-22	6'	0.0910	2D13008-02
CS3	4-12-22	4'	0.00174	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	0.0528	2D13008-06
CS7	4-12-22	3'	0.0422	2D13008-07
CS8	4-12-22	6'	0.00307	2D13008-08
CS9	4-12-22	6'	0.0993	2D13008-09

ANALYST NOTES: Summary of PBEL lab report # 2D13008.

TPH by EPA Method 8015M. Page 2 of 4



LAB ANALYTICAL SUMMARY

CLIENT: Western Midstream

SITE: Redhills Phase 2 and 3

ANALYST: Von Norman CONTACT # 432-202-4180

SAMPLE ID	SAMPLE DATE	DEPTH	Ethylbenzene/ppm	SAMPLE NOTE
CS1	4-12-22	6'	0.0112	2D13008-01
CS2	4-12-22	6'	0.0404	2D13008-02
CS3	4-12-22	4'	ND	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	0.00828	2D13008-06
CS7	4-12-22	3'	0.00861	2D13008-07
CS8	4-12-22	6'	0.00886	2D13008-08
CS9	4-12-22	6'	0.0267	2D13008-09
007			Xylene (P/M)/ppm	
CS1	4-12-22	6'	0.0315	2D13008-01
CS2	4-12-22	6'	0.104	2D13008-02
CS3	4-12-22	4'	0.00210	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	0.0195	2D13008-06
CS7	4-12-22	3'	0.0212	2D13008-07
CS8	4-12-22	6'	0.0225	2D13008-08
CS9	4-12-22	6'	0.0632	2D13008-09

ANALYST NOTES: Summary of PBEL lab report # 2D13008.

TPH by EPA Method 8015M. Page 3 of 4



LAB ANALYTICAL SUMMARY

CLIENT:	Western Midstream			
SITE:	Redhills Phase 2 and 3			
ANALYST:	Von Norman	CONTACT #_	432-202-4180	

SAMPLE ID	SAMPLE DATE	DEPTH	Xylene (o)/ppm	SAMPLE NOTE
CS1	4-12-22	6'	0.00964	2D13008-01
CS2	4-12-22	6'	0.0289	2D13008-02
CS3	4-12-22	4'	ND	2D13008-03
CS4	4-12-22	4'	ND	2D13008-04
CS5	4-12-22	2.5'	ND	2D13008-05
CS6	4-12-22	2.5'	0.00530	2D13008-06
CS7	4-12-22	3'	0.00591	2D13008-07
CS8	4-12-22	6'	0.00608	2D13008-08
CS9	4-12-22	6'	0.0167	2D13008-09

ANALYST NOTES:	Summary of PBEL lab report # 2D13008.	
and the second s		

TPH by EPA Method 8015M. Page 4 of 4



11420 W. County Rd 33 Midland, Texas 79710

LAB ANALYTICAL SUMMARY

CLIENT:	Western Midstream			
SITE:	Redhills Phase 3 and Phase 2			
ANALYST:	Von Norman	CONTACT#_	432-202-4180	

SAMPLE ID	SAMPLE DATE	DEPTH	TPH/ppm	SAMPLE NOTE
TP1	8-20-21	6'	ND	1H31003-01
TP2	8-20-21	2.5'	ND	1H31003-02
TP3	8-20-21	6'	ND	1H31003-03
			Chlorides	
TP1	8-20-21	6'	105	1H31003-01
TP2	8-20-21	2.5'	96	1H31003-02
TP3	8-20-21	6'	113	1H31003-03
			BTEX	
TP1	8-20-21	6'	ND	1H31003-01
TP2	8-20-21	2.5'	ND	1H31003-02
TP3	8-20-21	6'	ND	1H31003-03
				The state of the s

ANALYST NOTES: Summary of PBEL lab report # 1H31003.

PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report

Prepared for:

Von Norman
Stingray Environmental & Construction
9013 West County Road 160
Midland, TEXAS 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Location:

Lab Order Number: 1H31003



Current Certification

Report Date: 09/02/21

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TP1	1H31003-01	Soil	08/20/21 13:00	08-31-2021 11:15
TP2	1H31003-02	Soil	08/20/21 13:30	08-31-2021 11:15
TP3	1H31003-03	Soil	08/20/21 14:00	08-31-2021 11:15

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP1 1H31003-01 (Soil)

		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian Ba	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		95.5 %	80-120		P110102	09/01/21 08:28	09/01/21 12:56	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Surrogate: o-Terphenyl		119%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:03	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:03	[CALC]	
General Chemistry Parameters by	EPA / Stand	dard Met	hods						
Chloride	105	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 14:56	EPA 300.0	
% Moisture	3.0	0.1	%	1	P110104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP2 1H31003-02 (Soil)

Ameliate		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P1I0102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		101 %	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		114%	80-120		P110102	09/01/21 08:28	09/01/21 13:17	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: 1-Chlorooctane		109 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Surrogate: o-Terphenyl		119%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:25	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:25	[CALC]	
General Chemistry Parameters by	EPA / Stanc	lard Met	hods						
Chloride	96.0	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:42	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I0104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

TP3 1H31003-03 (Soil)

All Carolina		Reporting							
Analyte	Result	Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
3TEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		99.1%	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		115 %	80-120		P110102	09/01/21 08:28	09/01/21 13:38	EPA 8021B	
Organics by GC									
C6-C12	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C12-C28	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
>C28-C35	ND	25.8	mg/kg dry	1	P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: 1-Chlorooctane		109%	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Surrogate: o-Terphenyl		120 %	70-130		P1H3107	08/31/21 13:00	08/31/21 21:47	TX 1005	
Total Hydrocarbon nC6-nC35	ND	25.8	mg/kg dry	1	[CALC]	08/31/21 13:00	08/31/21 21:47	[CALC]	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	113	1.03	mg/kg dry	1	P1H3108	08/31/21 13:24	08/31/21 15:57	EPA 300.0	
% Moisture	3.0	0.1	%	1	P1I0104	09/01/21 10:17	09/01/21 15:50	ASTM D2216	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P110102 - *** DEFAULT PREP	***									
Blank (P110102-BLK1)				Prepared &	Analyzed:	09/01/21				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100								
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00200	"							
Xylene (o)	ND	0.00100	n							
Surrogate: 1,4-Difluorobenzene	0.130		"	0.120		108	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.120		90.7	80-120			
LCS (P1I0102-BS1)				Prepared &	Analyzed:	09/01/21				
Benzene	0.100	0.00100	mg/kg wet	0.100		100	70-130			
Toluene	0.0989	0.00100	"	0.100		98.9	70-130			
Ethylbenzene	0.0949	0.00100	"	0.100		94.9	70-130			
Xylene (p/m)	0.196	0.00200	**	0.200		98.0	70-130			
Xylene (o)	0.0803	0.00100		0.100		80.3	70-130			
Surrogate: 1,4-Difluorobenzene	0.123		"	0.120		102	80-120			
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		89.5	80-120			
LCS Dup (P1I0102-BSD1)				Prepared &	Analyzed:	09/01/21				
Benzene	0.0942	0.00100	mg/kg wet	0.100		94.2	70-130	6.01	20	
Toluene	0,0939	0.00100		0.100		93.9	70-130	5.23	20	
Ethylbenzene	0.0886	0.00100	11	0.100		88.6	70-130	6.96	20	
Xylene (p/m)	0.185	0.00200		0.200		92.3	70-130	5.96	20	
Xylene (o)	0.0801	0.00100		0.100		80.1	70-130	0.262	20	
Surrogate: 4-Bromofluorobenzene	0.107		"	0.120		88.9	80-120			
Surrogate: 1,4-Difluorobenzene	0.122		"	0.120		102	80-120			
Matrix Spike (P1I0102-MS1)	Sou	rce: 1H31003	3-03	Prepared &	Analyzed:	09/01/21				
Benzene	0.0709	0.00103	mg/kg dry	0.103	ND	68.8	80-120			QM-0
Toluene	0.0585	0.00103	**	0.103	ND	56.8	80-120			QM-0
Ethylbenzene	0.0487	0.00103	"	0.103	ND	47.2	80-120			QM-0"
Xylene (p/m)	0.0979	0.00206		0.206	ND	47.5	80-120			QM-0"
Xylene (o)	0.0430	0.00103		0.103	ND	41.8	80-120			QM-0
Surrogate: 1,4-Difluorobenzene	0.128		"	0.124		103	80-120			
Surrogate: 4-Bromofluorobenzene	0.115		"	0.124		92.8	80-120			

9013 West County Road 160 Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch	P1I0102 - ***	DEFAULT PREP *	**

Matrix Spike Dup (P1I0102-MSD1)	Sou	rce: 1H31003	3-03	Prepared &	Analyzed:	09/01/21				
Benzene	0.0835	0.00103	mg/kg dry	0.103	ND	81.0	80-120	16.3	20	
Toluene	0.0766	0.00103	"	0.103	ND	74.3	80-120	26.8	20	QM-07
Ethylbenzene	0.0694	0.00103		0.103	ND	67.3	80-120	35.0	20	QM-07
Xylene (p/m)	0.141	0.00206	11	0.206	ND	68.5	80-120	36.3	20	QM-07
Xylene (o)	0.0609	0.00103	н	0.103	ND	59.0	80-120	34.3	20	QM-07
Surrogate: 1,4-Difluorobenzene	0.124		"	0.124		100	80-120			
Surrogate: 4-Bromofluorobenzene	0.109		"	0.124		87.9	80-120			

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RPD

%REC

Stingray Environmental & Construction

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Source

Project Number: Western Midstream Red Hills Phase 3 & 2

Spike

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Reporting

A l	Districts	Reporting	Y Toulde	Torrel	Result	%REC	Limits	RPD	Limit	Notes
Analyte	Result	Limit	Units	Level	Result	70REC	Limits	KPD	Limit	Notes
Batch P1H3107 - TX 1005										
Blank (P1H3107-BLK1)				Prepared &	Analyzed:	08/31/21				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0								
Surrogate: 1-Chlorooctane	97.5		"	100		97.5	70-130			
Surrogate: o-Terphenyl	52.3		"	50.0		105	70-130			
LCS (P1H3107-BS1)				Prepared &	k Analyzed:	08/31/21				
C6-C12	924	25.0	mg/kg wet	1000		92.4	75-125			
>C12-C28	857	25.0	"	1000		85.7	75-125			
Surrogate: 1-Chlorooctane	101		"	100		101	70-130			
Surrogate: o-Terphenyl	55.5		"	50.0		111	70-130			
LCS Dup (P1H3107-BSD1)				Prepared &	& Analyzed:	08/31/21				
C6-C12	922	25.0	mg/kg wet	1000		92.2	75-125	0.216	20	
>C12-C28	840	25.0	"	1000		84.0	75-125	2.00	20	
Surrogate: 1-Chlorooctane	102		#	100		102	70-130			
Surrogate: o-Terphenyl	57.1		"	50.0		114	70-130			
Calibration Check (P1H3107-CCV1)				Prepared &	Analyzed:	08/31/21				
C6-C12	448	25.0	mg/kg wet	500		89.6	85-115			
>C12-C28	463	25.0	"	500		92.6	85-115			
Surrogate: I-Chlorooctane	117		"	100		117	70-130			
Surrogate: o-Terphenyl	55.8		"	50.0		112	70-130			
Calibration Check (P1H3107-CCV2)				Prepared &	Analyzed:	08/31/21				
C6-C12	442	25.0	mg/kg wet	500		88.5	85-115			
>C12-C28	460	25.0	н	500		92.0	85-115			
Surrogate: 1-Chlorooctane	116		"	100		116	70-130			
Surrogate: o-Terphenyl	53.6		"	50.0		107	70-130			

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

Organics by GC - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3107 - TX 1005										
Calibration Check (P1H3107-CCV3)				Prepared &	Analyzed:	08/31/21		1 11		
C6-C12	457	25,0	mg/kg wet	500		91.4	85-115			
>C12-C28	492	25.0	"	500		98.3	85-115			
Surrogate: 1-Chlorooctane	120		"	100		120	70-130			
Surrogate: o-Terphenyl	55.6		"	50.0		111	70-130			
Matrix Spike (P1H3107-MS1)	Sou	rce: 1H31003	3-03	Prepared &	Analyzed:	08/31/21				
C6-C12	875	25.8	mg/kg dry	1030	ND	84.9	75-125			
>C12-C28	800	25.8	"	1030	21.8	75.5	75-125			
Surrogate: 1-Chlorooctane	104		"	103		100	70-130			
Surrogate: o-Terphenyl	56.0		"	51.5		109	70-130			
Matrix Spike Dup (P1H3107-MSD1)	Sou	rce: 1H31003	-03	Prepared &	Analyzed:	08/31/21				
C6-C12	872	25,8	mg/kg dry	1030	ND	84.5	75-125	0.381	20	
>C12-C28	812	25.8		1030	21.8	76.7	75-125	1.52	20	
Surrogate: 1-Chlorooctane	104		"	103		101	70-130			
Surrogate: o-Terphenyl	56.3		"	51.5		109	70-130			

9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***										
Blank (P1H3108-BLK1)				Prepared &	Analyzed:	08/31/21				
Chloride	ND	1.00	mg/kg wet							
LCS (P1H3108-BS1)				Prepared &	Analyzed:	08/31/21				
Chloride	402	1.00	mg/kg wet	400		101	90-110			
LCS Dup (P1H3108-BSD1)				Prepared &	Analyzed:	08/31/21				
Chloride	406	1.00	mg/kg wet	400		101	90-110	0.888	20	
Calibration Blank (P1H3108-CCB1)				Prepared &	Analyzed:	08/31/21				
Chloride	-0.206		mg/kg wet							
Calibration Blank (P1H3108-CCB2)				Prepared &	Analyzed:	08/31/21				
Chloride	0.00		mg/kg wet							
Calibration Check (P1H3108-CCV1)				Prepared &	Analyzed:	08/31/21				
Chloride	19.6		mg/kg	20.0		98.0	90-110			
Calibration Check (P1H3108-CCV2)				Prepared &	Analyzed:	08/31/21				
Chloride	19.9		mg/kg	20.0		99.5	90-110			
Calibration Check (P1H3108-CCV3)				Prepared &	Analyzed:	08/31/21				
Chloride	19.3		mg/kg	20.0		96.4	90-110			
Matrix Spike (P1H3108-MS1)	Sou	rce: 1H31003	-01	Prepared &	Analyzed:	08/31/21				
Chloride	602	1.03	mg/kg dry	515	105	96.5	80-120			
Matrix Spike (P1H3108-MS2)	Sou	rce: 1H27004	-02	Prepared &	Analyzed:	08/31/21				
Chloride	3640	11.8	mg/kg dry	1180	2320	112	80-120			

9013 West County Road 160 Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 3 & 2

Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P1H3108 - *** DEFAULT PREP ***										
Matrix Spike Dup (P1H3108-MSD1)	Sou	rce: 1H31003	-01	Prepared &	Analyzed:	08/31/21				
Chloride	597	1.03	mg/kg dry	515	105	95.4	80-120	0.949	20	
Matrix Spike Dup (P1H3108-MSD2)	Sou	rce: 1H27004	-02	Prepared &	Analyzed:	08/31/21				
Chloride	3580	11.8	mg/kg dry	1180	2320	107	80-120	1.56	20	
Batch P110104 - *** DEFAULT PREP ***										
Blank (P110104-BLK1)				Prepared &	: Analyzed:	09/01/21			- 4	
% Moisture	ND	0.1	%							

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 3 & 2 Project Number: Western Midstream Red Hills Phase 3 & 2

Project Manager: Von Norman

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.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

	Drew Durlor			
Report Approved By:		Date:	9/2/2021	

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

Project Manager:	16n 1	Norman	8	Chair of Cost of Fection And Angel 1913 Act of Sankin High Midland, Texas		Perm 1400 Midk	Permian Basin Environmental Lab, 1400 Rankin HWY Midland, Texas 79701	in Hi exas	NY VY 797(nmen 11	ital L	12	-	rojec	N N	Name:	Phone Medien	hone	Phone: 432-686-7235	86-723	2	1 7	32		Received by
Company Name: Company Address:	2		- Lun	Environ me	hta!									Pro	roje	Project #:		z		2		4	2	OUD 25/4/2	
City/State/Zip:					Fax No:								Re	port	For	PO #: Report Format:	Standard	dard		□ TRRP	0	NPDES	PDES		022 12.4
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101			1000	8-30-21	L'in Au	K	2		-				N	7000	1	1)						1		g ,
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Relinquished by:	Date			Received by.								ă	Date	_	Time	8	Sample Hand Delivered by Sampler/Client Re by Courier? UPS	nd Del pler/Cli	by Sampler/Clent Rep. 7 by Couner? UPS	DHL	Fee	€¥ã	Lone S	in in	210
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PERMIAN BASIN ENVIRONMENTAL LAB, LP 1400 Rankin Hwy Midland, TX 79701



Analytical Report Rev. 1

Prepared for:

Von Norman
Stingray Environmental & Construction
9013 West County Road 160
Midland, TEXAS 79706

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Location: New Mexico

Lab Order Number: 2D13008



Current Certification

Report Date: 04/28/22

Project: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160 Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706

Project Manager: Von Norman

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS1	2D13008-01	Soil	04/12/22 10:00	04-13-2022 11:18
CS2	2D13008-02	Soil	04/12/22 10:15	04-13-2022 11:18
CS3	2D13008-03	Soil	04/12/22 10:40	04-13-2022 11:18
CS4	2D13008-04	Soil	04/12/22 11:05	04-13-2022 11:18
CS5	2D13008-05	Soil	04/12/22 11:30	04-13-2022 11:18
CS6	2D13008-06	Soil	04/12/22 12:15	04-13-2022 11:18
CS7	2D13008-07	Soil	04/12/22 13:30	04-13-2022 11:18
CS8	2D13008-08	Soil	04/12/22 14:10	04-13-2022 11:18
CS9	2D13008-09	Soil	04/12/22 14:45	04-13-2022 11:18

On 04/26/22 PBELAB Staff was advised to add BTEX and Chloride analysis to the report for Workorder 2D13008. This was on the last day of the holding time for BTEX analysis, however, the samples had been stored at -10 Degrees C and the sample analysis was completed before midnight on the 26th. Therefore the analysis was within the recommended holding time. The revised report is attached below.

Project: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160 Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706

Project Manager: Von Norman

CS1 2D13008-01 (Soil)

	Lin	nit Repo	rting						
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Toluene	0.0207	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Ethylbenzene	0.0112	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Xylene (p/m)	0.0315	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Xylene (o)	0.00964	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		113 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:00	EPA 8021B	
General Chemistry Parameters b	y EPA / Stand	lard Met	hods						
Chloride	259	1.01	ing/kg dry	1	P2D2603	04/26/22 13:08	04/26/22 21:06	EPA 300.0	
% Moisture	1.0	0.1	%	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EP	A Method	8015M	1					
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Surrogate: 1-Chlorooctane		86.0 %	70-130		P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Surrogate: o-Terphenyl		92.7%	70-130		P2D1304	04/13/22 12:04	04/13/22 22:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 22:28	calc	

9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3 Project Manager: Von Norman

CS2 2D13008-02 (Soil)

	Lim	nit Repo	orting						
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	0.00148	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Toluene	0.0910	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Ethylbenzene	0.0404	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Xylene (p/m)	0.104	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Xylene (o)	0.0289	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		103 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		118 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:22	EPA 8021B	
General Chemistry Parameters b	y EPA / Stand	lard Met	hods						
Chloride	267	1.01	mg/kg dry	1	P2D2603	04/26/22 13:08	04/26/22 21:21	EPA 300.0	
% Moisture	1.0	0.1	94	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EPA	Method	1 8015M						
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M	
Surrogate: 1-Chlorooctane		86.5 %	70-130		P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M	
Surrogate: o-Terphenyl		91.8%	70-130		P2D1304	04/13/22 12:04	04/13/22 22:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 22:51	cale	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

9013 West County Road 160

Midland TEXAS, 79706

Project: Western Midstream Red Hills Phase 2 & 3
Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS3 2D13008-03 (Soil)

Analyte	Lin	ш керс	orting	Ditala	Detal	Description	Analyzed	Method	Note
Analyte	Result		Units	Dilution	Batch	Prepared	Anaiyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Toluene	0.00174	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	t.	P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Xylene (p/m)	0.00210	0.00206	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P2D2602	04/26/22 12:30	04/26/22 15:43	EPA 8021B	
General Chemistry Parameters b	v EPA / Stand	iard Met	hods						
Chloride	184	1.03	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 11:26	EPA 300.0	
% Moisture	3.0	0.1	96	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EP	Method	18015M						
C6-C12	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M	
Surrogate: 1-Chlorooctane		87.2 %			P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M	
Surrogate: o-Terphenyl		95.2 %	70-130		P2D1304	04/13/22 12:04	04/13/22 23:13	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 23:13	calc	

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3 Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS4 2D13008-04 (Soil)

ME SELECTION OF THE SEL	Lin	nit Repo	rting						
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101%	80-120		P2D2602	04/26/22 12:30	04/26/22 16:05	EPA 8021B	
General Chemistry Parameters by	EPA / Stand	lard Met	hods						
Chloride	179	1.03	mg-kg dry	1	P2D2701	04/27/22 08:47	04/27/22 11:41	EPA 300.0	
% Moisture	3.0	0.1	94	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EPA	Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:36	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:36	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/13/22 23:36	TPH 8015M	
Surrogate: 1-Chlorooctane	81.2 %		70-130		P2D1304	04/13/22 12:04	04/13/22 23:36	TPH 8015M	
Surrogate: o-Terphenyl	88.7 %		70-130		P2D1304	04/13/22 12:04	04/13/22 23:36	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/13/22 12:04	04/13/22 23:36	cale	

Project: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160 Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706

Project Manager: Von Norman

CS5 2D13008-05 (Soil)

	Lin	nit Repo	rting						
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Toluene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Ethylbenzene	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Xylene (p/m)	ND	0.00206	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Xylene (o)	ND	0.00103	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110%	80-120		P2D2602	04/26/22 12:30	04/26/22 16:27	EPA 8021B	
General Chemistry Parameters by	FPA / Stane	lard Mat	hade						
Chloride	165	1.03	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 11:56	EPA 300.0	
% Moisture	3.0	0.1	54	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C6	-C35 by EP	A Method	8015M						
C6-C12	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M	
>C12-C28	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M	
>C28-C35	ND	25.8	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M	
Surrogate: 1-Chlorooctane		87.7%	70-130		P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M	
Surrogate: o-Terphenyl		96.1%	70-130		P2D1304	04/13/22 12:04	04/14/22 00:43	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.8	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 00:43	cale	

Project: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160 Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706

Project Manager: Von Norman

CS6 2D13008-06 (Soil)

Amelanta	Lin	и керс	orting				Facilities I	Marked	Metro
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	0.00446	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Toluene	0.0528	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Ethylbenzene	0.00828	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Xylene (p/m)	0.0195	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Xylene (o)	0.00530	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		101 %	80-120		P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		108 %	80-120		P2D2602	04/26/22 12:30	04/26/22 16:48	EPA 8021B	
General Chemistry Parameters b	y EPA / Stand	lard Met	hods						
Chloride	238	1.01	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 12:11	EPA 300.0	
% Moisture	1.0	0.1	96	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EP	Method	1 8015M						
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M	
Surrogate: 1-Chlorooctane		92.4%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M	
Surrogate: o-Terphenyl		92.3 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:05	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 01:05	cale	

Permian Basin Environmental Lab, L.P.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS7 2D13008-07 (Soil)

	Lim	it Repo	rting					24.3.3	22
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	0.00320	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Toluene	0.0422	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Ethylbenzene	0.00861	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Xylene (p/m)	0.0212	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Xylene (o)	0.00591	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		111 %	80-120		P2D2602	04/26/22 12:30	04/26/22 17:10	EPA 8021B	
General Chemistry Parameters b	y EPA / Stand	lard Met	hods						
Chloride	243	1.01	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 12:27	EPA 300.0	
% Moisture	1.0	0.1	14	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EPA	Method	8015M						
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M	
Surrogate: 1-Chlorooctane		79.2 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M	
Surrogate: o-Terphenyl		77.7%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:28	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	-1	[CALC]	04/13/22 12:04	04/14/22 01:28	calc	

Permian Basin Environmental Lab, L.P.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS8 2D13008-08 (Soil)

	Lin	nit Repo	orting				10.6.0		
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	0.00207	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Toluene	0.0307	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Ethylbenzene	0.00886	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Xylene (p/m)	0.0225	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Xylene (o)	0.00608	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		102 %	80-120		P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		110%	80-120		P2D2602	04/26/22 12:30	04/26/22 17:31	EPA 8021B	
General Chemistry Parameters b	v EPA / Stand	lard Met	hods						
Chloride	234	1.01	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 12:42	EPA 300.0	
% Moisture	1.0	0.1	94.	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	6-C35 by EP	A Method	1 8015M						
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M	
Surrogate: 1-Chlorooctane	1010-101	79.0 %	70-130		P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M	
Surrogate: o-Terphenyl		79.6%	70-130		P2D1304	04/13/22 12:04	04/14/22 01:51	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 01:51	calc	

Permian Basin Environmental Lab, L.P.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

CS9 2D13008-09 (Soil)

C-200	Lim	it Repo			Sec. 11.	2000	Andrew 1	Madead	Notes
Analyte	Result		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		P	ermian B	asin Envi	ronmental L	ab, L.P.			
BTEX by 8021B									
Benzene	0.00257	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Toluene	0.0993	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Ethylbenzene	0.0267	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Xylene (p/m)	0.0632	0.00202	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Xylene (o)	0.0167	0.00101	mg/kg dry	1	P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Surrogate: 4-Bromofluorobenzene		112%	80-120		P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
Surrogate: 1,4-Difluorobenzene		100%	80-120		P2D2602	04/26/22 12:30	04/26/22 17:53	EPA 8021B	
General Chemistry Parameters b	FDA / Stone	lard Mat	hade						
Chloride	235	1.01	mg/kg dry	1	P2D2701	04/27/22 08:47	04/27/22 12:57	EPA 300.0	
% Moisture	1.0	0.1	94	1	P2D1309	04/13/22 16:59	04/13/22 17:01	ASTM D2216	
Total Petroleum Hydrocarbons C	C6-C35 by EPA	A Method	1 8015M						
C6-C12	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 02:14	TPH 8015M	
>C12-C28	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 02:14	TPH 8015M	
>C28-C35	ND	25.3	mg/kg dry	1	P2D1304	04/13/22 12:04	04/14/22 02:14	TPH 8015M	
Surrogate: 1-Chlorooctane		82.1%	70-130		P2D1304	04/13/22 12:04	04/14/22 02:14	TPH 8015M	
Surrogate: o-Terphenyl		81.9%	70-130		P2D1304	04/13/22 12:04	04/14/22 02:14	TPH 8015M	
Total Petroleum Hydrocarbon C6-C35	ND	25.3	mg/kg dry	1	[CALC]	04/13/22 12:04	04/14/22 02:14	calc	

Permian Basin Environmental Lab, L.P.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D2602 - General Preparation (C	GC)									
Blank (P2D2602-BLK1)				Prepared &	Analyzed:	04/26/22				
Benzene	ND	0.00100	mg/kg wet							
Toluene	ND	0.00100								
Ethylbenzene	ND	0.00100	*							
Xylene (p/m)	ND	0.00200								
Xylene (o)	ND	0.00100	**							
Surrogate: 1,4-Difluorobenzene	0.121			0.120		101	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		*	0.120		111	80-120			
LCS (P2D2602-BS1)				Prepared &	Analyzed:	04/26/22				
Benzene	0.0960	0.00100	mg/kg wet	0.100		96.0	80-120			
Toluene	0.0954	0.00100		0.100		95.4	80-120			
Ethylbenzene	0.106	0.00100	n	0.100		106	80-120			
Xylene (p/m)	0.209	0.00200	**	0.200		104	80-120			
Xylene (o)	0.0982	0.00100	**	0.100		98.2	80-120			
Surrogate: 4-Bromofluorohenzene	0.138		"	0.120		115	80-120			
Surrogate: 1,4-Difluorobenzene	0.121			0.120		101	80-120			
LCS Dup (P2D2602-BSD1)				Prepared &	& Analyzed:	04/26/22				
Benzene	0.0872	0.00100	mg/kg wet	0.100		87.2	80-120	9.64	20	
Toluene	0.0862	0.00100	"	0.100		86.2	80-120	10.1	20	
Ethylbenzene	0.0958	0.00100	**	0.100		95.8	80-120	9.75	20	
Xylene (p/m)	0.189	0.00200		0.200		94.5	80-120	9.89	20	
Xylene (o)	0.0885	0.00100	н	0.100		88.5	80-120	10.5	20	
Surrogate: 4-Bromofluorobenzene	0.140		"	0.120		117	80-120			
Surrogate: 1,4-Difluorobenzene	0.123		*	0.120		103	80-120			
Calibration Check (P2D2602-CCV1)				Prepared &	& Analyzed	04/26/22				
Benzene	0.0960	0.00100	mg/kg wet	0.102		94.1	80-120			
Toluene	0.0930	0.00100	"	0.102		91.2	80-120			
Ethylbenzene	0.0935	0.00100		0.102		91.6	80-120			
Xylene (p/m)	0.198	0.00200	"	0.204		97.2	80-120			
Xylene (o)	0.0947	0.00100	*	0.102		92.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.127		*	0.120		106	75-125			

Permian Basin Environmental Lab, L.P.

Surrogate: 1,4-Difluorobenzene

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

75-125

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

BTEX by 8021B - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D2602 - General Preparation (C	GC)									
Calibration Check (P2D2602-CCV3)				Prepared &	Analyzed:	04/26/22				
Benzene	0.107	0.00100	mg/kg wet	0.102		105	80-120			
Toluene	0.103	0.00100	"	0,102		101	80-120			
Ethylbenzene	0.103	0.00100		0.102		101	80-120			
Xylene (p/m)	0.216	0.00200	"	0.204		106	80-120			
Xylene (o)	0.106	0.00100	"	0.102		104	80-120			
Surrogate: 4-Bromofluorobenzene	0.133		и	0.120		111	75-125			
Surrogate: 1,4-Difluorobenzene	0.121		"	0.120		101	75-125			
Matrix Spike (P2D2602-MS1)	Sou	rce: 2D13008	3-01	Prepared &	Analyzed:	04/26/22				
Benzene	0.0972	0.00101	mg/kg dry	0.101	ND	96.2	80-120			
Toluene	0.122	0.00101		0.101	0.0207	101	80-120			
Ethylbenzene	0.111	0.00101		0.101	0.0112	98.9	80-120			
Xylene (p/m)	0,227	0.00202	n	0.202	0.0315	97.0	80-120			
Xylene (o)	0.104	0.00101	n	0.101	0.00964	93.8	80-120			
Surrogate: 4-Bromofluorobenzene	0.141		и	0.121		116	80-120			
Surrogate: 1,4-Difluorobenzene	0.127		**	0.121		105	80-120			
Matrix Spike Dup (P2D2602-MSD1)	Sou	rce: 2D13008	3-01	Prepared &	& Analyzed:	04/26/22				
Benzene	0.0909	0.00101	mg/kg dry	0.101	ND	90.0	80-120	6.72	20	
Toluene	0.114	0.00101	"	0.101	0.0207	91.9	80-120	9.14	20	
Ethylbenzene	0.106	0.00101	*	0.101	0.0112	94.0	80-120	5.17	20	
Xylene (p/m)	0.217	0.00202	*	0.202	0.0315	91.7	80-120	5.61	20	
Xylene (o)	0.0996	0.00101		0.101	0.00964	89.0	80-120	5.26	20	
Surrogate: 4-Bromofluorobenzene	0.141		"	0.121		116	80-120			
Surrogate: 1,4-Difluorobenzene	0.125			0.121		103	80-120			

Permian Basin Environmental Lab, L.P.

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D1309 - *** DEFAULT PREP ***										
Blank (P2D1309-BLK1)				Prepared &	& Analyzed	04/13/22				
% Moisture	ND	0.1	%							
Duplicate (P2D1309-DUP1)	Sou	rce: 2D13008	3-04	Prepared &	& Analyzed	04/13/22				
% Moisture	4.0	0.1	%		3.0			28.6	20	R3
Batch P2D2603 - *** DEFAULT PREP ***										
Blank (P2D2603-BLK1)				Prepared &	& Analyzed	04/26/22			***************************************	
Chloride	ND	1.00	mg/kg wet							
LCS (P2D2603-BS1)				Prepared &	& Analyzed	: 04/26/22				
Chloride	41.9		mg/kg	40.0		105	90-110			
LCS Dup (P2D2603-BSD1)				Prepared &	& Analyzed	: 04/26/22				
Chloride	42.1		mg/kg	40.0		105	90-110	0.269	10	
Calibration Blank (P2D2603-CCB1)				Prepared &	& Analyzed	: 04/26/22				
Chloride	0.0860		mg/kg wet							
Calibration Blank (P2D2603-CCB2)				Prepared a	& Analyzed	: 04/26/22				
Chloride	0.00		mg/kg wet							
Calibration Check (P2D2603-CCV1)				Prepared a	& Analyzed	: 04/26/22				
Chloride	21.1		mg/kg	20.0		105	90-110			
Calibration Check (P2D2603-CCV2)				Prepared a	& Analyzed	: 04/26/22				
Chloride	21.0		mg/kg	20.0		105	90-110			

Permian Basin Environmental Lab, L.P.

Project: Western Midstream Red Hills Phase 2 & 3 Project Number: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160

Midland TEXAS, 79706

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D2603 - *** DEFAULT PREP ***										
Calibration Check (P2D2603-CCV3)				Prepared &	Analyzed:	04/26/22				
Chloride	21.4		mg/kg	20.0		107	90-110			
Matrix Spike (P2D2603-MS1)	Sou	rce: 2D26004	-01	Prepared &	& Analyzed:	04/26/22				
Chloride	410	1.10	mg/kg dry	275	158	91.6	80-120			
Matrix Spike (P2D2603-MS2)	Sou	rce: 2D22004	1-04	Prepared &	& Analyzed:	04/26/22				
Chloride	455	1.04	mg/kg dry	260	183	104	80-120			
Matrix Spike Dup (P2D2603-MSD1)	Sou	rce: 2D26004	1-01	Prepared &	& Analyzed:	04/26/22				
Chloride	428	1.10	mg/kg dry	275	158	98.5	80-120	4.51	20	
Matrix Spike Dup (P2D2603-MSD2)	Sou	rce: 2D22004	1-04	Prepared &	& Analyzed:	04/26/22				
Chloride	450	1.04	mg/kg dry	260	183	103	80-120	0.990	20	
Batch P2D2701 - *** DEFAULT PREP ***										
Blank (P2D2701-BLK1)				Prepared &	& Analyzed:	04/27/22				
Chloride	ND	1.00	mg/kg wet							
LCS (P2D2701-BS1)				Prepared &	& Analyzed:	04/27/22				
Chloride	42.4		mg/kg	40.0		106	90-110			
LCS Dup (P2D2701-BSD1)				Prepared &	& Analyzed:	04/27/22				
Chloride	41.4		mg/kg	40.0		104	90-110	2.43	10	
Calibration Blank (P2D2701-CCB1)				Prepared &	& Analyzed:	04/27/22				
Chloride	0.0820		mg/kg wet							

Permian Basin Environmental Lab, L.P.

Project: Western Midstream Red Hills Phase 2 & 3 Project Number: Western Midstream Red Hills Phase 2 & 3

9013 West County Road 160 Midland TEXAS, 79706

Project Manager: Von Norman

General Chemistry Parameters by EPA / Standard Methods - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D2701 - *** DEFAULT PREP ***										
Calibration Blank (P2D2701-CCB2)				Prepared &	Analyzed:	04/27/22				
Chloride	0.00		mg/kg wet							
Calibration Check (P2D2701-CCV1)				Prepared &	Analyzed:	04/27/22				
Chloride	20.9		mg/kg	20.0		105	90-110			
Calibration Check (P2D2701-CCV2)				Prepared &	Analyzed:	04/27/22				
Chloride	21.1		mg/kg	20.0		105	90-110			
Calibration Check (P2D2701-CCV3)				Prepared &	& Analyzed:	04/27/22				
Chloride	21.6		mg/kg	20.0		108	90-110			
Matrix Spike (P2D2701-MS1)	Sou	rce: 2D26008	3-01	Prepared &	& Analyzed:	04/27/22				
Chloride	565	1.00	mg/kg dry	250	249	126	80-120			QM-05
Matrix Spike (P2D2701-MS2)	Sou	rce: 2D26000	5-01	Prepared &	& Analyzed:	04/27/22				
Chloride	13300	52.6	mg/kg dry	2630	10500	108	80-120			
Matrix Spike Dup (P2D2701-MSD1)	Sou	rce: 2D26008	3-01	Prepared &	& Analyzed:	04/27/22				
Chloride	526	1.00	mg/kg dry	250	249	111	80-120	7.19	20	
Matrix Spike Dup (P2D2701-MSD2)	Sou	rce: 2D2600	6-01	Prepared &	& Analyzed:	04/27/22				
Chloride	12700	52.6	mg/kg dry	2630	10500	85.4	80-120	4.59	20	

9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch P2D1304 - *** DEFAULT PREP ***										
Blank (P2D1304-BLK1)				Prepared &	Analyzed:	04/13/22				
C6-C12	ND	25.0	mg/kg wet							
>C12-C28	ND	25.0	"							
>C28-C35	ND	25.0	**							
Surrogate: 1-Chlorooctane	98.9		*	100		98.9	70-130			
Surrogate: o-Terphenyl	53.7			50.0		107	70-130			
LCS (P2D1304-BS1)				Prepared &	& Analyzed:	04/13/22				
C6-C12	819	25.0	mg/kg wet	1000		81.9	75-125			
>C12-C28	946	25.0	. 11	1000		94.6	75-125			
Surrogate: 1-Chlorooctane	126		"	100		126	70-130			
Surrogate: o-Terphenyl	54.8		"	50.0		110	70-130			
LCS Dup (P2D1304-BSD1)				Prepared &	& Analyzed	04/13/22				
C6-C12	825	25.0	mg/kg wet	1000		82.5	75-125	0.821	20	
>C12-C28	976	25.0	"	1000		97.6	75-125	3.08	20	
Surrogate: 1-Chlorooctane	127		ir	100		127	70-130			
Surrogate: o-Terphenyl	62.7		"	50.0		125	70-130			
Calibration Check (P2D1304-CCV1)				Prepared &	& Analyzed	: 04/13/22				
C6-C12	474	25.0	mg/kg wet	500	u	94.8	85-115			
>C12-C28	500	25.0		500		99.9	85-115			
Surrogate: 1-Chlorooctane	117			100		117	70-130			
Surrogate: o-Terphenyl	55.7		*	50.0		111	70-130			
Calibration Check (P2D1304-CCV2)				Prepared:	04/13/22 A	nalyzed: 04	1/14/22			
C6-C12	477	25.0	mg/kg wet	500		95.3	85-115			
>C12-C28	501	25.0		500		100	85-115			
Surrogate: 1-Chlorooctane	119		#	100		119	70-130			
Surrogate: o-Terphenyl	55.2			50.0		110	70-130			

Permian Basin Environmental Lab, L.P.

RPD

20

1.49

%REC

75-125

70-130

70-130

Stingray Environmental & Construction

9013 West County Road 160 Midland TEXAS, 79706

>C12-C28

Surrogate: 1-Chlorooctane

Surrogate: o-Terphenyl

Project: Western Midstream Red Hills Phase 2 & 3

Project Number: Western Midstream Red Hills Phase 2 & 3

Spike

1010

101

50.5

Source

23.3

85.9

119

98.3

Project Manager: Von Norman

Reporting

891

120

49.6

Total Petroleum Hydrocarbons C6-C35 by EPA Method 8015M - Quality Control Permian Basin Environmental Lab, L.P.

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch P2D1304 - *** DEFAULT PREP *	**									
Matrix Spike (P2D1304-MS1)	Source	e: 2D13008	3-09	Prepared: (04/13/22 A	nalyzed: 04	/14/22			
C6-C12	776	25.3	mg/kg dry	1010	ND	76.8	75-125			
>C12-C28	904	25.3	**	1010	23.3	87.2	75-125			
Surrogate: 1-Chlorooctane	114		"	101		113	70-130			
Surrogate: o-Terphenyl	51.7		*	50.5		102	70-130			
Matrix Spike Dup (P2D1304-MSD1)	Source	e: 2D13008	3-09	Prepared: (04/13/22 A	nalyzed: 04	/14/22			
C6-C12	757	253	mo/ko dry	1010	ND	75.0	75-125	2.44	20	

Permian Basin Environmental Lab, L.P.

Stingray Environmental & Construction Project: Western Midstream Red Hills Phase 2 & 3 9013 West County Road 160 Project Number: Western Midstream Red Hills Phase 2 & 3

Midland TEXAS, 79706 Project Manager: Von Norman

Notes and Definitions

ROI Received on Ice

R3 The RPD exceeded the acceptance limit due to sample matrix effects.

QM-05 The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were

within acceptance limits showing that the laboratory is in control and the data is acceptable.

BULK Samples received in Bulk soil containers may be biased low in the nC6-C12 TPH Range

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

LCS Laboratory Control Spike

MS Matrix Spike

Dup Duplicate

Report Approved By: Date: 4/28/2022

Brent Barron, Laboratory Director/Technical Director

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-686-7235.

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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9013 West County Road 160 Midland TEXAS, 79706 Project: Western Midstream Red Hills Phase 2 & 3 Project Number: Western Midstream Red Hills Phase 2 & 3

Project Manager: Von Norman

Permian Basin Environmental Lab, L.P.

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Permian Basin Environmental Lab.

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Appendix 2



(PLEASE PRINT)

REQUIRED INFORMATION Name Omac Dom. 422
Phone No. 432 - 634 - 3620

4		GENERATOR	NO.	200871
perator No.	00.11	Permit/RRC Lease/Well		
etators Name Wistern	Mirlstream	Name & No.	RUSS PRAL	O O LC COM
Fless		County	30-UK-3	7100
State No.		API No. Rig Name &	AAN	DILILLIA G.
, State, Zip	- 11st - 15 F9	AFE/PO No.	A Maria C. Maria	and the second
EXEMPT ES	P Waste/Service Identification an	d Amount (place volume next	to waste type in barrels on cub	lc yards)
Based Muds	Washout Water (Non-Injectable	e)	the same of the sa	eand generation process of the waste)
ter Based Muds	Completion Fluid/Flow back (N	on-injectable)	FW DI	/mP
ter Based Cuttings duced Formation Solids	Produced Water (Non-Injectab Gathering Line Water/Waste (I			* 12.9
k Bottoms Contaminated Soil	Truck Washout (exempt waste		-	an talant
Plant Waste STE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	GATHERING LINES
STE GENERATION PROCESS:	7.40	P.Waste/Service Identification and		
All non-exempt	E&P wasto must be analysed and be b			Reactivity.
-Exempt Other	1 1 1 M	•please sel	ect from Non-Exempt Waste List	nn back
ANTITY	B - BARRELS		Y-YARDS) 15 E-EACH
reby certify that the above listed material(s)	, is (are) not a hazardous waste as defi	ned by 40 CFR Part 261 or any appli	cable state law. That each waste h	as been properly described, classified ar
caged, and is in proper condition for transpo			d are not mived with non-exempt	waste (R360 Accepts certifications on a
RCRA EXEMPT: load basis of		ation and production operations at	a are not moved with non-exempt	raste (rase) resepts our unestables on a
RCRA NON-EXEMPT: Oil field wa	ste which is non-hazardous that does r	not exceed the minimum standards	for waste hazardous by characteris	tics established in RCRA regulations, 40
	is attached. (Check the appropriate Iter			ntation demonstrating the waste as non
MSDS Infor	mation RCRA Hazard	ous Waste Analysis	Other (Provide Description I	selow)
1	1.0	08 20	0. 15	
L) mad DOMINAL STREET S		DATE		SIGNATURE
· ·		iransporter		OF THE PARTY
nsporter's CLIASSIC		Driver's Nam	ne John a	Tyle Alexander
ress P.O. 13ux 154	5	Print Name		18.4
Stephenville	TX 76401	Phone No.	11/1:	1, 1,90%
ne No. 325-3110-07	45	Truck No.	190	- A
reby certify that the above named material(sywas/were picked up at the Generato	r's site listed above and delivered v	without incident to the disposal faci	lity listed below.
SHIPMENT DATE	DRIVER'S SIGNATURE	<u>- 0</u> 2	DELIVERY DATE	DRIVER'S SIGNATURE
TRUCK TIME STA	MP DIS	SPOSAMEACILITY	REC	EIVING AREA
1221 DO OUT:			Name/No.	
Name/		Phone No.	9.41 - 18	and the second of the second of the second
nit No. Red Bluff Facility/ STF-06		Phone No.	432-448-4239	936 J
NORM READINGS TAKEN? (Circle		If YES, was	reading > 50 micro roentgens? (cin	de one) YES NO
Chloride mical Analysis (Mg/l)		Conductivity		70 PM
micai Analysis (Mg/I)	THE REPORT OF THE PARTY OF THE	A/V/(@:10) = (0)///		
Feet	Inches · · · ·	AIN BUILDING		peral control of other detailers to the control of
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hereby certify that the above load material	has been (circle one): ACCEPTE			gas manager and contemporaries
MANUE (PROMIT)	DATE	2CVR	- 12.2. man	SIGNATURE
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Company Man Contact Information

		MERICAN GENERAL	(a):	NO.	020275
Operator No.			Permit/RRC No.		230675
6 4 1.100-0	2N MIDSTRE	ΔιοΔ	Lease/Well	Pass Dou	w 29 FED Comm#oul
,	EN MINSTRE	AM	Name & No.	EDDY	CO WIT = S COMM
Addržss			API No.		32106
City, State, Zip			Rig Name & No.		
Phone No.			AFE/PO No.	46 0120	1
Oil Based Muds	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	tification and Amount (plac	Company Committee Committe	Service Services Services Services	
Oil Based Cuttings	Washout Water (WATERS (MARKET THE MARKET THE NORTH THE NAME OF T		OTHER EXEMPS WAS LES	(type and generation process of the waste)
Water Based Muds Water Based Cuttings	Completion Fluid, Produced Water	/Flow back (Non-Injectable)	-		
Produced Formation Solids	Gathering Line W	ater/Waste (Non-Injectable)			
Tank Bottoms E&P Contaminated Soil	THE RESIDENCE OF THE PERSON NAMED IN	xempt waste)		86	
Gas Plant Waste	ITUCK Washbut (e	xempt waste)	-		
WASTE GENERATION PROCESS:	DRILLING	/ COMPLETIC	ON 🗌	PRODUCTION	GATHERING LINES
	PERFORMANCE AND A CONTROL OF THE PROPERTY OF T	N/EXEMPT E&P Waste/Service	SYNCHY NORMAL REMAINING A CARD SECURITION OF	NAMES AND ASSESSMENT OF THE PARTY OF THE PAR	
Non-Exempt Other	empiscar waste musi me anan	ised and be below the threshold		rom Non-Exempt Waste Li	
			, , , , , , , , , , , , , , , , , , ,	7	
QUANTITY		B - BARRELS		Y-YAF	DS //5 E-EACH
			261 or any applicable	e state law. That each wast	e has been properly described, classified and
packaged, and is in proper condition for tra					
IF I RCHA EXEMPT:	id wastes generated from oil a lasis only)	no gas exploration and product	on operations and are	e not mixed with non-exem	pt waste (R360 Accepts certifications on a per
11		us that door not everal the mine	lancar standards for co	anta hannedave by ebassat	referrer actabilished in BCBA completions 40.00
					eristics established in RCRA regulations, 40 CF mentation demonstrating the waste as non-
	dous is attached. (Check the ap				•
☐ MSDS	Information	RCRA Hazardous Waste Analysi	s [Other (Provide Description	n Below)
		60			
IPRINTI AUTHORIZTO AGENTS SIGNATURE		OX	- 111		
feeting working works a annual nee			- 20	Das D	
			DATE	Des A	SIGNATURE
		TRANSPO	DATE	Ues D	SIGNATURE
Transporter's Name		TRANSPO	DATE	John Q	SIGNATURE
Transporter's Name Address C / 4551 C P / Rx / F	545	TRANSPO	RTER	John Q	SIGNATURE
Name C/ASS/C Address Po. Box 16	545 Tr 4400	TRANSPO	RTER Driver's Name	John Q	SIGNATURE
Address P.O. Box 15	545 TK 7444	TRANSPO	Driver's Name Print Name	John Q	SIGNATURE
Name C/45/C Address Po. Box 16 Stopholicille	-0745	100 - Carlo Marchanino (A. Janes and Carlo Merchanical States)	Driver's Name Print Name Phone No. Truck No.	140	
Name Address Pio Box 15 Shapholical IC Phone No. 1 hereby certify that the above named mate	erialis) was/were picked up at	100 - Carlo Marchanino (A. Janes and Carlo Merchanical States)	Driver's Name Print Name Phone No. Truck No. e and delivered witho	140	acility listed below?
Name Address Pio. Box 16 Shaphalual II Phone No. 325-3140 I hereby certify that the above named mate	erialis) was/were picked up at DRIVER'S SIGNATURE	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho	140 jut incident to the disposal i	acility listed beloyd ORIVER'S SIGNATURE
Name Address Pio By 16 Stoppholical Is Phone No. 375-3110 I hereby certify that the above named mate Supplies out to the stoppholical Is Supplies out to the stoppholical Is Supplies out to the stoppholical Is TRUCK TIME S	erialis) was/were picked up at DRIVER'S SIGNATURE	100 - Carlo Marchanino (A. Janes and Carlo Merchanical States)	Driver's Name Print Name Phone No. Truck No. e and delivered witho	140 jut incident to the disposal i	acility listed below?
Name Address Pio By 16 Stephelus 16 Phone No. 375-3140 I hereby certify that the above named mate Supplies out TRUCK TIME S	- 0745 erial(s) was/were picked up at DRIVER'S SIGNATURE STAMP	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho	140 jut incident to the disposal i	acility listed below) ORIVER'S SIGNATURE ECEIVING AREA
Name Address Plo By 15 Stepholical II Phone No. I hereby certify that the above named mate SHOW THE STRUCK TIME S IN: 29 00 0UT Site Name/	erial(s) was/were picked up at DRIVER'S SIGNATURE STAMP T:	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho	JUO jut incident to the disposal in ZO ERY DATE	acility listed below) ORIVER'S SIGNATURE ECEIVING AREA
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Phone No. Phone No. I hereby certify that the above named mate Supposed for the Supposed	CHAIRS WAS / Were picked up at DRIVERS SIGNATURE STAMP T: F-065	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho Cutum ACILITY Phone No.	ILIO TENT DATE RI Name/No	DRIVER'S SIGNATURE ECEIVING AREA
Phone No. I hereby certify that the above named mate Suppose of the Policy of the Pol	DRIVERS SIGNATURE TAMP F-065	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho ACILITY Phone No. If YES, was readi	IUO iut Incident to the disposal i ENY DATE RI Name/No	DRIVER'S SIGNATURE ECEIVING AREA
Phone No. Phone No. Phone No. Thereby certify that the above named mater of the phone of the	CHAIRS WAS / Were picked up at DRIVERS SIGNATURE STAMP T: F-065	the Generator's site listed abov	Driver's Name Print Name Phone No. Truck No. e and delivered witho Cutum ACILITY Phone No.	ILIO TENT DATE RI Name/No	DRIVER'S SIGNATURE ECEIVING AREA
Name Address Phone No. I hereby certify that the above named mate SHOWNENT DATE TRUCK TIME S IN: ON OUT Site Name/ Permit No. Address NORM READINGS TAKEN? (Chloride	DRIVERS SIGNATURE TOTAL DRIVERS SIGNATURE TO	the Generator's site listed abov	Driver's Name Print Name Print Name Phone No. Truck No. e and delivered witho ACILITY Phone No. If YES, was read Conductivity (mmhos/cm)	ILIO TENT DATE RI Name/No	DRIVER'S SIGNATURE ECEIVING AREA . D Circle one) YES NO
Name Address Plo Box 16 Shaphalata 11 Phone No. I hereby certify that the above named mate TRUCK TIME S IN: OUT Site Name/ Permit No. Address Red Bluff Facility/ ST Address NORM READINGS TAKEN? (Chloride Chemical Analysis (Mg/I) Feet	DRIVERS SIGNATURE TOTAL DRIVERS SIGNATURE TO	the Generator's site listed abov	Driver's Name Print Name Print Name Phone No. Truck No. e and delivered witho ACILITY Phone No. If YES, was read Conductivity (mmhos/cm)	ILU O iut incident to the disposal in the disp	DRIVER'S SIGNATURE ECEIVING AREA
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Company Man Contact Information

ESTATION OF THE PROPERTY OF TH	4	(PLEAS	E PRINT) - REQU	JIKED INFORMATION	Phone No.
. "		GENE	:Varior	NO.	230676
pergitors Name WESTERN Y Idress	MIDSTIREA	m	Permit/RRC No. Lease/Well Name & No. County	EIJOY	230676 24W 29 Feel Conv.# 32106
iy, State, Zipione No.		_	API No. Rig Name & No. AFE/PO No.		
il Based Muds il Based Cuttings /ater Based Muds /ater Based Cuttings roduced Formation Solids ank Bottoms	THE STREET, ST	ERS injectable) back (Non-Injectable Injectable) Waste (Non-Injectable		waste type in barrels or o	Ubic yards) (type and generation process of the waste)
	DRILLING	□ сомР	LETION [PRODUCTION	GATHERING LINES
	NON-EX iste must be analysed	EMPT(E&P-Waste/Se and be below the thin		TGLP), Ignitability, Corresivity	and Reactivity 1 11 11 11 11 11 11 11 11 11 11 11 11
on-Exempt Other			•please select	from Non-Exempt Waste Lis	t on back
UANTITY	B - B	ARRELS		A-YAR	nos)/5 E-EACH
Omas Danivarez			08-20	Down Do	SIGNATURE
(PRINT) AUTHORIZED TIGENTS SIGNATURE		TRANS	PORTER		SIGNATURE
ransporter's CLIASSIC ddress P.O. Box 1545 Stephinull, The hone No. 375-344-0745	Eas_a		Driver's Name Print Name Phone No. Truck No.	John Q	
hereby certify that the above named material(s) was/	were picked up at the of DRIVER'S SIGNATURE	Senerator's site listed	_02		facility listed below) DAIVER'S SIGNATURE
TRUCK TIME STAMP	10.00	DISPOSA	LFACILITY	RI Name/No	ECEIVING AREA
te Name/ ermit No. Red Bluff Facility/ STF-065 ddress S053 US Highway 285, Orla, TX 7977	7 -	- 	Phone No.	432-448-4239	
NORM READINGS TAKEN? (Circle One) Chloride hemical Analysis (Mg/l)	(YES)	NO	If YES, was re- Conductivity (mmhos/cm)	ading > 50 micro roentgens?	(circle one) YES NO
		ANK	(e) II (e) MS		
st Gauge Feet nd Gauge eceived	Inches			BS&W/BBLS Received Free Water Total Received	BS&W (%)
I hereby certify that the above load material has been supported by the support of the support o	en (circle one):	ACCEPTED DE	NIED If denied, w	hy?	M S. SIGNATURE

Received by OCD: 5/4/2023 12:58:33 PM TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST Company Man Page 236 of 463 Operator No. Permit/RRC No. Lease/Well Ross Draw 29 Fed Com # ODI Western Midstream Operators Name Name & No. Address County API No. City, State, Zip Rig Name & No. Phone No. AFE/PO No. volume next to waste type in barrels or cubic yards) Oil Based Muds Oil Based Cuttings Water Based Muds Completion Fluid/Flow back (Non-Injectable) Water Based Cuttings END DUMP Produced Water (Non-Injectable) Produced Formation Solids Gathering Line Water/Waste (Non-Injectable) Tank Bottoms INTERNAL USE ONLY E&P Contaminated Soil Truck Washout (exempt waste Gas Plant Waste WASTE GENERATION PROCESS: **GATHERING LINES** DRILLING COMPLETION PRODUCTION the threshold limits for toxicity (TCLP), Ignitability, Corrosivity and Re-Non-Exempt Other *please select from Non-Exempt Waste List on back QUANTITY E - EACH Y-YARDS B-RARREIS I hereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law. That each waste has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste (R360 Accepts certifications on a per RCRA EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR RCRA NON-EXEMPT: 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amended. The following documentation demonstrating the waste as nonhazardous is attached. (Check the appropriate items as provided) RCRA Hazardous Waste Analysis Other (Provide Description Below) MSDS Information 08-20-202 IZED AGENTS SIGNATURE TRANSPORTER Transporter's Classic Crane and Transport, LP Driver's Name Name Address Print Name tephenville TX 7640 Phone No. 325 341-D74F Truck No. I hereby certify that the above named material(s) was/were picked up at the Generator's site listed above and delivered without incident to the disposal facility listed below. 08-20-202 TRUCK TIME STAMP RECEIVING AREA IN: OUT: Name/No Site Name Red Bluff Facility/STF-065 Phone No. Permit No. Address 5053 US Highway 285, Orla, TX 79770 NORM READINGS TAKEN? (Circle One) YES NO If YES, was reading > 50 micro roentgens? (circle one) NO Chloride Conductivity Chemical Analysis (Mg/I) (mmhos/cm) pH Inches 1st Gauge BS&W/BBLS Received BS&W (%) 2nd Gauge Free Water Received Total Received I hereby certify that the above load material has been (circle one): ACCEPTED If denied, why?

NAME (PRINT)

TITLE

DATE

SIGNATURE

Comment Man	Page 2377 Plate
Company Ivia	CONFACE INITITIALIO
Name Taff	17 -
Vame 10-t-t	1 2001

		GENERATOR	NO. NO.	n671
perator No.	00' 1.1	Permit/RRC No. Lease/Well		ed Com # 00
	Midstream	Name & No.	Koss Draw of I	ed Com#oc
ddress		County API No.	30-015-3210	No -
ity, State, Zip		Rig Name & No.	non-drilling	Marine Second
hone No.		AFE/PO No.		0 - 17 - AM 17 h
EXEMPT	E&P Waste/Service Identification a	nd Amount (place volume next to	waste type in barrels or cubic yards)	
Dil Based Muds Dil Based Cuttings	Washout Water (Non-Injectal		OTHER EXEMPT WASTES (type and general	tion process of the waste)
Water Based Muds	Completion Fluid/Flow back (I	Non-Injectable)		- Marry lo make
Nater Based Cuttings Produced Formation Solids	Produced Water (Non-Injecta Gathering Line Water/Waste		END DUMP	
ank Bottoms	INTERNAL USE ONLY		17400	THE PERSON
&P Contaminated Soil Sas Plant Waste	Truck Washout (exempt waste	e)	comment of the 1981 is not to	nation opening business
VASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION GA	THERING LINES
	NON-EXEMPTE	&P Waste/Service Identification and An	mount CLP), Ignitability, Corrosivity and Reactivity	
on-Exempt Other	HIJE CAP WASTETHUSE DE ANALYSED AND DE		from Non-Exempt Waste List on back	
UANTITY	B - BARRELS		1 5 Y- YARDS	E - EACH
		fined by 40 CFR Part 261 or any applicab	ole state law. That each waste has been pro	perly described, classified
ackaged, and is in proper condition for tran			re not mixed with non-exempt waste (R360	
	isis only)		The first of the property of the first of th	
RCRA NON-EXEMPT: Oil field	waste which is non-hazardous that does	not exceed the minimum standards for	waste hazardous by characteristics established	shed in RCRA regulations, 40
			mended. The following documentation der	nonstrating the waste as no
	ous is attached. (Check the appropriate it nformation RCRA Hazar	ems as provided) rdous Waste Analysis	Other (Provide Description Below)	
	mornation nerty reason	200 KR24/KL1-ACEW TE		
Cataly 13 square	need	DR-20-2011	at self, are a com-	14.7
(PRINT) AUTHORIZED AGENTS SIGNATURE	Parties a second	D8-20-2021	SIGNATUR	SE Just the Section of the
9Nm	American (Maseria)	TRANSPORTER	MANUAL STATE OF THE STATE OF TH	Title modified
ransporter's	Service Land	Driver's Name	goen Gray	restant and heep us
ame Classic Urah	e and Transport, L	Print Name	of Grand	That her steam, and con-
ddress PO BOX 18	75	Phone No.	DAG ZUL EDAD	(A and all being the an
hone No. 305 341		Truck No.	141.62 soll policy	- Village Waler Baine
- Ja) J16			nout incident to the disposal facility listed b	elow.
08- AD-ADAI	halfs) was/were picked up at the General	or s site listed above and delivered with	A ADAL Souls	RIGHT
SHIPMENT DATE	DRIVERS SIGNATURE		IVERY DATE DI	RIVER'S SIGNATURE
TRUCK TIME S	TAMP DI	SPOSAL FACILITY	RECEIVING	AREA
N:OUT			Name/No.	PARTICIPATION OF THE PARTIES.
ite Name/		attack of the Alberta		A The A county for The
ermit No. Red Bluff Facility/ STF	-065	Phone No.	432-448-4239	Villa Constitution
ddress 5053 US Highway 285, Or	ria, TX 79770	24.72		A The Complete Property of the
NORM READINGS TAKEN? (C			ading > 50 micro roentgens? (circle one)	YES NO NO
NORM READINGS TAKEN? (C		If YES, was rea Conductivity (mmhos/cm)_	ading > 50 micro roentgens? (circle one)	YES NO NO
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NORM READINGS TAKEN? (C Chloride Chemical Analysis (Mg/l) Feet	Circle One) YES NO	Conductivity (mmhos/cm)_	BS&W/BBLS Received	YES NO
NORM READINGS TAKEN? (C Chloride Chemical Analysis (Mg/I)	Circle One) YES NO	Conductivity (mmhos/cm)_	Sile Pallede Province	YES POWER PROPERTY OF THE PROP
NORM READINGS TAKEN? (C Chloride hemical Analysis (Mg/l) Feet st Gauge nd Gauge	Circle One) YES NO	Conductivity (mmhos/cm)_ FANK BOTTOMS	BS&W/BBLS Received Free Water Total Received	YES NO
NORM READINGS TAKEN? (C Chloride hemical Analysis (Mg/l) Feet st Gauge nd Gauge	Circle One) YES NO	Conductivity (mmhos/cm)_ FANK BOTTOMS	BS&W/BBLS Received Free Water Total Received	YES NO
NORM READINGS TAKEN? (C Chloride Chemical Analysis (Mg/l) Feet st Gauge and Gauge	Circle One) YES NO	Conductivity (mmhos/cm)_ FANK BOTTOMS	BS&W/BBLS Received Free Water Total Received	PH BS&W (%)

TEXAS NON-HAZARDOUS OILFIELD WASTE MANIFEST
(PLEASE PRINT) *REQUIRED INFORMATION*

Phone No.

		G	ienierato	R		10. 482	2781	
Operators Name Western Address	Midstream	n	u N C	ermit/RRC No. ease/Well aame & No. ounty PI No.	Ross Edding	Draw 5-30	2106	Com Hc
City, State, Zip			R	ig Name & No.		MON	12r.11.	19
Phone No.				FE/PO No.		4		
SERVICE OF THE PERSON OF THE P	IPTIE&P Waste/Service Id				aste type in barrels OTHER EXEMPT WA			
Oil Based Muds Oil Based Cuttings Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	Washout Water Completion Fle Produced Wat Gathering Une	er (Non-Injectable) uid/Flow back (Non-Injectable) eer (Non-Injectable) e Water/Waste (Non- ioNLY	Injectable)		END	Dum		7
WASTE GENERATION PROCESS:	DRILLING		COMPLETION		PRODUCTION		GATHERING LIN	ES
	exempt E&P waste must be a	NON-EXEMPTER PA				Stydy and Brack		
Non-Exempt Other	exempt ear waste must be at	narysed and de deloy			om Non-Exempt Was	A CONTRACTOR OF THE PARTY OF TH		
QUANTITY		8 - BARRELS			15°	- YARDS	- Andrews	E-EACH
RCRA EXEMPT: OII load RCRA NON-EXEMPT: OII 261	field wastes generated from o d basis only) field waste which is non-haza .21-261.24, or listed hazardou ardous is attached. (Check the DS Information	rdous that does not our	exceed the minimum by 40 CFR, part 261, as provided)	standards for w	aste hazardous by ch	aracteristics est documentation	tablished in RCRA re	gulations, 40 CF
RCRA EXEMPT: OII load RCRA NON-EXEMPT: OII 261 haz	d basis only) field waste which is non-haza .21-261.24, or listed hazardou ardous is attached. (Check the DS information	rdous that does not ous waste as defined be appropriate Items and RCRA Hazardous	exceed the minimum by 40 CFR, part 261, as provided)	standards for w subpart D, as am	aste hazardous by che ended. The following	aracteristics est documentation cription Below)	tablished in RCRA re	gulations, 40 CF
RCRA NON-EXEMPT: IDAGE RCRA NON-EXEMPT: OII 261 haz MS Don UC (PRINT) AUTHORIZED AGENTS SIGNAR	d basis only) field waste which is non-haza .21-261.24, or listed hazardou ardous is attached. (Check the DS Information	rdous that does not ous waste as defined be appropriate Items and RCRA Hazardous	exceed the minimum by 40 CFR, part 261, as provided) s Waste Analysis ANSPORT	standards for w subpart D, as am	aste hazardous by chended. The following Other (Provide Desc	aracteristics est documentation cription Below)	tablished in RCRA re demonstrating the	gulations, 40 CF
RCRA EXEMPT: load RCRA NON-EXEMPT: Oil RCRA NON-EXEMPT: Oil AD RCRA NON-EXEMPT: Oil AD RCRA NON-EXEMPT: Oil AD RCRA NON-EXEMPT: Oil AD RCRA EXEMPT: Ioa AD RCRA EXEMPT	d basis only) field waste which is non-hazar .21-261.24, or listed hazardou ardous is attached. (Check the DS Information JUNE TAN SYS JUNE TX 7640 DRIVER'S SIGNÉN DRIVER'S SIGNÉN	rdous that does not us waste as defined be appropriate items a RCRA Hazardous TR SPOC+, LP	exceed the minimum by 40 CFR, part 261, as provided) s Waste Analysis CANSPORT F Site listed above and	Priver's Name Print Name Print Name Print No. delivered without the color of the c	Other (Provide Description of Secretary Control of	sign of a cility liste	ed below.	gulations, 40 CF
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ddress	11 11/10/1001	County	Eddy	
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s Plant Waste				
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n-Exempt Other			m Non-Exempt Waste List	
ANTITY	B - BARRELS		15 Y-YARDS	E-EACH
reby certify that the above listed material(s) taged, and is in proper condition for transpo	, is (are) not a hazardous waste as defined b	y 40 CFR Part 261 or any applicable	state law. That each waste h	has been properly described, classified ar
	stes generated from oil and gas exploration	and production operations and are	not mixed with non-exempt	waste (R360 Accepts certifications on a c
RCRA EXEMPT: load basis		and production operations and are	not make with non-cathipt	
The state of the s	ste which is non-hazardous that does not ex	regard the minimum standards for w	aste hazardous by characteri	stics established in RCRA regulations, 40
RCRA NON-EXEMPT: Oil field wa 261.21-261	.24, or listed hazardous waste as defined by	40 CFR, part 261, subpart D, as am	ended. The following docume	entation demonstrating the waste as non
	is attached. (Check the appropriate items as			
MSDS Info	rmation - RCRA Hazardous V	Waste Analysis	Other (Provide Description I	Below)
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Donas Danisar		8-23-21	Mar D	
(PRINT) AUTHORIZED AGENTS SIGNATURE		DATE	-	SIGNATURE
- 1	TR	ANSPORTER		.00
nsporter's		The state of the s	1 ama	SIGN
me (1)	2/	Driver's Name	Tyler	200
iress P.O. Box	545	Print Name	Kongie	151491
St-Phony	112 TX 16401	Phone No.	325-34	0-0745
ne No. 305.3417	-0745	Truck No.	162	4001
ereby certify that the above named material	s) was/were picked up at the Generator's si	te listed above and delivered withou	t incident to the disposal fac	ility listed below.
8-23-21 20	mue Dias	0-25		Jonnel Dia
SHIPMAENT DATE	DRIVER'S SIGNATURE	and the second second second second	RY DATE	DRIVER'S SIGNATURE
TRUCK TIME STA	MP DISP	DSAL FACILITY	4	CEIVING AREA
1: 10.09 AT OUT:			Name/No.	
mit No. Wishbone Facility/ RRC# STF-	055	Phone No.	432	
dress 2499 FM 3033 Stanton, TX 79	7.7.0			
NORM READINGS TAKEN? (Circl		If YES, was readi	ng > 50 micro roentgens? (cir	rcle one) YES NO
Chloride		Conductivity		7
mical Analysis (Mg/I)	Seasons d. V	(mmhos/cm)	_==	pH
Feet	Inches	IKBOTTOMS	1	4-
Gauge	manes	BSE	&W/BBLS Received	BS&W (%)
d Gauge			Free Water	
ceived			Total Received	
I hereby certify that the above load material	has been (circle one):	DENIED If denied, why		
	9/22/21	121 . 10	ins	
20100-	- 1/2/2/	- KUL		SIGNATURE



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more Name! WOSTEFN	m: 051	Lease/Well	Dussin	Carl 29 tec/Co
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ress		County	tady	
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ne No.		AFE/PO No.	-1	
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ter Based Muds	Completion Fluid/Flow back (Non-Injectal	ble)		
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k Bottoms	INTERNAL USE ONLY			
Contaminated Soil	Truck Washout (exempt waste)	Inr	MID	
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STE GENERATION PROCESS:	DRILLING COM	PLETION	PRODUCTION	GATHERING LINES
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	waste must be analysed and be below the U			
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NTITY	B - BARRELS		15 Y-YARD	S E - EACH
eby certify that the above listed material(s), is (a	re) not a hazardous waste as defined by 40 (CFR Part 261 or any applicab	le state law. That each waste	has been properly described, classified
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(PRINT) AUTHORIZED AGENTS VIGNATURE	-	8-23-21	Wall-	SONATURE
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risporter's CUSS	210	Driver's Name	\$ W	no pro
FOROVICE	11	Salas Stanes	1200	Inia Brail
ress T.O.OOXISE	12 + 31-401	Print Name	2000	40-07/13
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ne No. 325-340	0745	Truck No.	16d	
reby, tertify-that the above named material(s)) wa	s/were picked up at the Spherator's site list	ed above and delivered with	out incident to the disposal fac	cility listed below.
8-23-21 61	gome Kara	4-0	1521 K	19MANUEAC
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	DISFUS	ME PACILITY	21.5	D.
12:50 prout:		***	Name/No.	1)
Name/		Oberes No.		
nit No. Red Bluff Facility/ STF-065		Phone No.	432-448-4239	
ess 5053 US Highway 285, Orla, TX 79	770	- 21		
NORM READINGS TAKEN? (Circle On	e) YES NO	If YES, was rea	ding > 50 micro roentgens? (ci	rcle one) YES NO
Chloride	775	Conductivity	And the second second	
nical Analysis (Mg/I)		(mmhos/cm)_		pH
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Feet	· Inches	() () () () () ()	1	
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eived	1.	34	Total Received	
hereby certify that the above load material has	been (circle one): ACCEPTED	DENIED If denied, wh		
milan	012821	BULL	-m/S	
NAME (PRINT)	DATE	me		SIGNATURE

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SOLUTIONS CO.	

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Con	pany Mar	Contact	Information
Name	Detr	Dre	Information

		GENER	RATOR	NO.	530	724
erator No. erators Name dress	· Widshea		Permit/RRC No Lease/Well Name & No. County API No. Rig Name & N.	Ross VA Eddy JO 015	20106 Villing	Com Hou
y, State, Zipone No.			AFE/PO No.			
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&P Contaminated Soil as Plant Waste	Truck Washout (e		11/2	- MO		
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All non-exem		IN-EXEMPT E&P Waste/Ser ysed and be below the thre	shold limits for toxicity	Amount (TCLP): Ignitability: Corrosivity ct from Non-Exempt Waste L		15.000 0000
JANTITY		B - BARRELS		15 Y-YA	RDS	E - EACH
reby certify that the above listed material	(le) is (are) not a hazardous	waste as defined by 40 CFR	Part 261 or any applica	able state law. That each was	te has been properly	v described, classified ar
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			P	hone No. 223-1015-10
Operator No. Operators Name Address	Mixlstrao M	Permit/RRC No. Lease/Well Name & No. County	Ros Process	77423 29 Fed Com #0
City, State, Zip		API No. Rig Name & No. AFE/PO No.	Non-dr	2186 11119
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VASTE GENERATION PROCESS:	DRILLING C	COMPLETION	PRODUCTION	GATHERING LINES
AU non-exempl	NON-EXEMPT E&P Wa	ste/Service Identification and Am	ount LP) (gottability Correstelly and	Reactivity
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QUANTITY	B - BARRELS		15 Y-YARDS	E-EACH
Dmar Dmixug		8-23-21 DATE	Don D	SIGNATURE
ransporter's CASSIC ame P.O.Boyo 545	Stephenulk tx	Driver's Name Print Name Phone No.	DE	TANLIL
hone No. 335 -740-05 hereby certify that the above named material(s		Truck No.	178 ut incident to the disposal facility	listed below.
SHIPMENT DATE	H DIEVER'S SIGNATURE		RY DATE	DRIVER'S SIGNATURE
N: 10. 11 HB OUT:	MP DISPO	SAL FACILITY	RECE Name/No.	IVING AREA
ite Name/ ermit No. Wishbone Facility/ RRC# STF- ddress 2499 FM 3033 Stanton, TX 79	782	Phone No.	432	
NORM READINGS TAKEN? (Circle Chloride hemical Analysis (Mg/I)	One) YES NO	If YES, was readi Conductivity (mmhos/cm)	ng > 50 micro roentgens? (circle	one) YES NO
		(d:(e)) in (e): b)		Charles that I would have
Feet st Gauge did Gauge eceived	Inches	BS8	RW/BBLS Received Free Water Total Received	BS&W (%)
I hereby certify that the above load material in SICOL	has been (circle one): ACCEPTED	DENIED If denied, why?	ms	DONATION



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Comp	any	Mag	Contact	Information
Name	10		1	Information

Washout Water (Non-Injectable) Water Based Muds Water Based Cuttings Produced Formation Solids Tank Bottoms EAP Contaminated Soil Gas Plant Waste WASTE GENERATION PROCESS: DRILLING DRILLING NON-EXEMPT EAP Waster/Service Identification and Amount All non-exempt EAP waste must be analyzed and be below the threshold limits for toxicity (TCP). Non-Exempt Other Please select from it Intereby certify that the above listed material(s), is (are) not a hazardous waste as defined by 40 CFR Part 261 or any applicable stat packaged and basis only) RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amende hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Other Special Coase Coase Coase Coase Coase Coase Coase Coase Prior Name Print Name Print Name Print Name Print Name	ER EXEMPT WASTES: (type and generation process of the waste) End dump DUCTION GATHERING LINES DISTRIBUTION GATHERING LINES DISTRIBUTION Waste Ust on back. S Y-YARDS E-EACH Law. That each waste has been properly described, classified and
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All non-exempt Cher All non-exempt Other All non-exempt Other All non-exempt EBP waster must be analysed and be below the threshold limits for vositing of the procured from oil and gas exploration and production operations and are not load basis only) RCRA NON-EXEMPT: Oil field waste system as exploration and production operations and are not load basis only) RCRA HAZARDA ALIGNORE SERVICE (Cache Cache Cac	TOO DE 32 106 NON DE 11.09 TYPE IN BATTES (type and generation process of the wastin) ER EXEMPT WASTES (type and generation process of the wastin) END GATHERING LINES PULL TION GATHERING LINES PULL TOO GATHERING LINES PULL TOO GATHERING LINES E - EACH Law. That each waste has been properly described, classified and
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SEXEMPT EXP. Waster/Service-Identification and Amount (place-volume next to waster 10 Waster	EXEMPT WASTES (type and generation process of the waste) End dump DUCTION GATHERING LINES DISTRIBUTED WASTE Ust on back 5 Y-YARDS E-EACH Law. That each waste has been properly described, classified and
In Based Muds	ER EXEMPT WASTES: (type and generation processed the waste) End dumP DUCTION GATHERING LINES PUBLICATION GATHERING LINES PUBLICATION BEACTIVITY. SOFT-EXEMPT Waste List on back.
INDN-INIECTABLEWATERS Washout Water (Non-Injectable) Washout Water (Non-Injectable) Washout Water (Non-Injectable) Washout Water Based Cuttings Volume Based Muds Vater Based Cuttings Volumed Farmation Solids Ank Bottoms BP Contaminated Soil BREP Waster Waste (Non-Injectable) INTERNAL USE GILLY Truck Washout (exempt waste) BASE Plant Waste VASTE GENERATION PROCESS: DRILLING DRILLING DRILLING COMPLETION PR INDN-DLEMPY EBP Waster/Scivice Identification and Amount All-non-exempt EBP waste must be analyzed and be below the threshold limits for toxicity (TCP).) On-Exempt Other Washout waster must be analyzed and be below the threshold limits for toxicity (TCP).) B-BARRELS Indicated by 40 CFR Part 261 or any applicable state ackaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amende hazardous is attached. (Check the appropriate items as provided) MSDS information RCRA Hazardous Waste Analysis Other Part Solume TRANSPORTER Driver's Name Print Name Print Name	ER EXEMPT WASTES: (type and generation processed the waste) End dumP DUCTION GATHERING LINES PUBLICATION GATHERING LINES PUBLICATION BEACTIVITY. SOFT-EXEMPT Waste List on back.
Washout Water (Non-Injectable) Completion Fluid/Flow back (Non-Injectable) Produced Waster (Non-Injectable) Gathering Line Water (Non-Injectable) INTERNAL USE ONLY. Truck Washout (exempt waste) PRESENTATION PROCESS: DRILLING DRILLING COMPLETION PRESENTATION PROCESS: DRILLING NON-EXEMPT E&P Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCIP). On-Exempt Other "please select from Internation of transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) RCRA EXEMPT: Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous waste as defined by 40 CFR, part 261, subpart D, as amende hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Others Port Completion Compl	End dumP DUCTION GATHERING LINES DISTRIBUTION GATHERING LINES DISTRIBUTION GATHERING LINES PARTICULAR CONTROL OF THE PROPERTY OF THE PROPE
Completion Fluid/Flow back (Non-Injectable) Produced Water (Non-Injectable) Produced Water (Non-Injectable) Produced Water (Non-Injectable) Produced Water (Non-Injectable)	GATHERING LINES mitability, Corresivity and Reactivity, on-Exempt Waste Ust on back, Y - YARDS E - EACH law. That each waste has been properly described, classified and
Gathering Line Water/Waste (Non-Injectable) INTERNAL USE GINLY Truck Washout (exempt waste) INTERNAL USE GINLY Truck Washout (exempt waste) INDN-EXEMPT EAP Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCP), in on-Exempt Other INDN-EXEMPT EAP Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCP), in on-Exempt Other INDN-EXEMPT EAP Waste/Service Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCP), in on-Exempt Other Industry B - BARRELS B - BAR	DDUCTION GATHERING LINES mitability, Corresivity and Reactivity. on-Exempt Waste Ust on back. Y - YARDS E - EACH law. That each waste has been properly described, classified and
INTERNAL USE GNLY Truck Washout (exempt waste) ASTE GENERATION PROCESS: DRILLING COMPLETION PR INDN: EXEMPT E&P Waste/Scivice Identification and Amount All non-exempt E&P waste must be analysed and be below the threshold limits for toxicity (TCP), if the special post of the select from it is ackaged, and is in proper condition for transportation according to applicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) RCRA NON-EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amende hazardous is attached. (Check the appropriate items as provided) MSDS Information RCRA Hazardous Waste Analysis Ott TRANSPORTER TRANSPORTER Driver's Name Print Name Print Name	DDUCTION GATHERING LINES mitability, Corresivity and Reactivity. on-Exempt Waste Ust on back. Y - YARDS E - EACH law. That each waste has been properly described, classified and
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All non-exempt ERP waste must be analysed and be below the threshold limits for texicity (TCP), it on-Exempt Other NON-EXEMPT ERP Waste/Service Identification and Amount All non-exempt ERP waste must be analysed and be below the threshold limits for texicity (TCP), it on-Exempt Other Private Select from It is a select	on-Exempt Waste Ust on back. Y - YARDS E - EACH law. That each waste has been properly described, classified and
All non-exempt E&P, vaste must be analysed and be below the threshold limits for toulisty (PCP). **please select from the sel	on-Exempt Waste List on back. Y-YARDS Y-YARDS E-EACH Law. That each waste has been properly described, classified and
DATE TRANSPORTER Please select from I *please select from I B - BARRELS DI filed was papilicable regulation. Oil field wastes generated from oil and gas exploration and production operations and are not load basis only) C RCRA EXEMPT: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste 261.21-261.24, or listed hazardous waste as defined by 40 CFR, part 261, subpart D, as amende hazardous is attached. (Check the appropriate items as provided) MSDS Information	Y - YARDS E - EACH law. That each waste has been properly described, classified and
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ddress Po Box 1545 Print Name	2614
	and Garcia
	325 340 0745
Stephenouse TX 1648) Phone No	124.43
nereby certify that the above named material(s) was/were, picked up at the Generator's site listed above and delivered without inc	
8.23.21 P.LA.3.	21 +3/4
SHIPMENT DATE DRIVER'S SIGNATURE DELIVERY DA	
TRUCK TIME STAMP DISPOSAL FACILITY	RECEIVING AREA
N: WOM OUT:	Name/No.
te Name/	
ermit No. Wishbone Facility/ RRC# STF-055 Phone No. 432	
ddress 2499 FM 3033 Stanton, TX 79782	
NORM READINGS TAKEN? (Circle One) Chloride VES NO If YES, was reading > Conductivity	0 micro roentgens? (circle one) YES NO
nemical Analysis (Mg/I)(mmhos/cm)	
VANK BONGONS	J pH
Feet Inches	pH
at Gauge BS&W/I	
eceived	BLS Received BS&W (%)
Thereby cartify that the above lead material has been falsely enable. ACCEPTED DENIED When I have dead when	BLS Received BS&W (%)
I hereby certify that the above load material has been (circle one): ACCEPTED DENIED If denied, why?	BLS Received BS&W (%) Free Water
HAMI (PRINT)	BLS Received BS&W (%) Free Water



(PLEASE PRINT)

REQUIRED INFORMATION

Company Man Contact Information

Name	
Phone No	

		GENERATOR		NO. 4823	43
Operators Name (L) OS tev A	mid stream	Permit/i Lease/N Name & County API No.	No. Ross Cold	015- 32101	9 Fed com#00
City, State, Zip	-1	Rig Nam AFE/PO		1. drilling	
Oil Based Muds Oil Based Cuttings Water Based Cuttings Water Based Cuttings Produced Formation Solids Tank Bottoms E&P Contaminated Soil	RP Waste/Service Identification at INON-INJECTABLE WATERS Washout Water (Non-Injectab Completion Fluid/Flow back (N Produced Water (Non-Injectab Gathering Line Water/Waste (INTERNAL/USE ONLY) Truck Washout (exempt waste	le) ion-injectable) iole) Non-injectable)	OTHER EXEMP	rrels or cubic yards) (WASTES texper and general Col Duiv	ion process of the waste)
Gas Plant Waste WASTE GENERATION PROCESS:	DRILLING	COMPLETION	PRODUCTION	V GA	THERING LINES
All non-exem	NON-EXEMPT E pt &&P, waste must be analysed and be b	&P.Waste/Service Identification of the chief	n and Amount halisty (PCLP), Ignitability, C e select from Non-Exempt	Corresivity and Reactivity.	PARTY OF A
QUANTITY	B - BARRELS		15	Y - YARDS	E-EACH
Omas Dom. Dury 7		8·23-2	_ D.	L Postage	
	TX 76401 OTUS SIGNATURE	Print N Phone Truck I	No. 335 No. 134 -	, , ,	ELOWA SIGNATURE
IN: TRUEK TIME ST				RECEIVING	SAREA
Site Name/ Permit No. Address Address Address NORM READINGS TAKEN? (Chloride	(79782	Condu	5, was reading > 50 micro r	oentgens? (circle one)	YES NO
Chemical Analysis (Mg/l)		WISH TENE	hos/cm)	1977	
1st Gauge 2nd Gauge Received	Inches	3 6	BS&W/BBLS Rece Free W Total Rece	ater	BS&W (%)
hereby certify that the above load mate	etial hbs been (circle one): ACCEP	TED DENIED II	lenled, why?	Cald	on j



Appendix C

Site Characterization

Site Characterization Summary

Site Information:

Site Characterization:

-Medium Karst

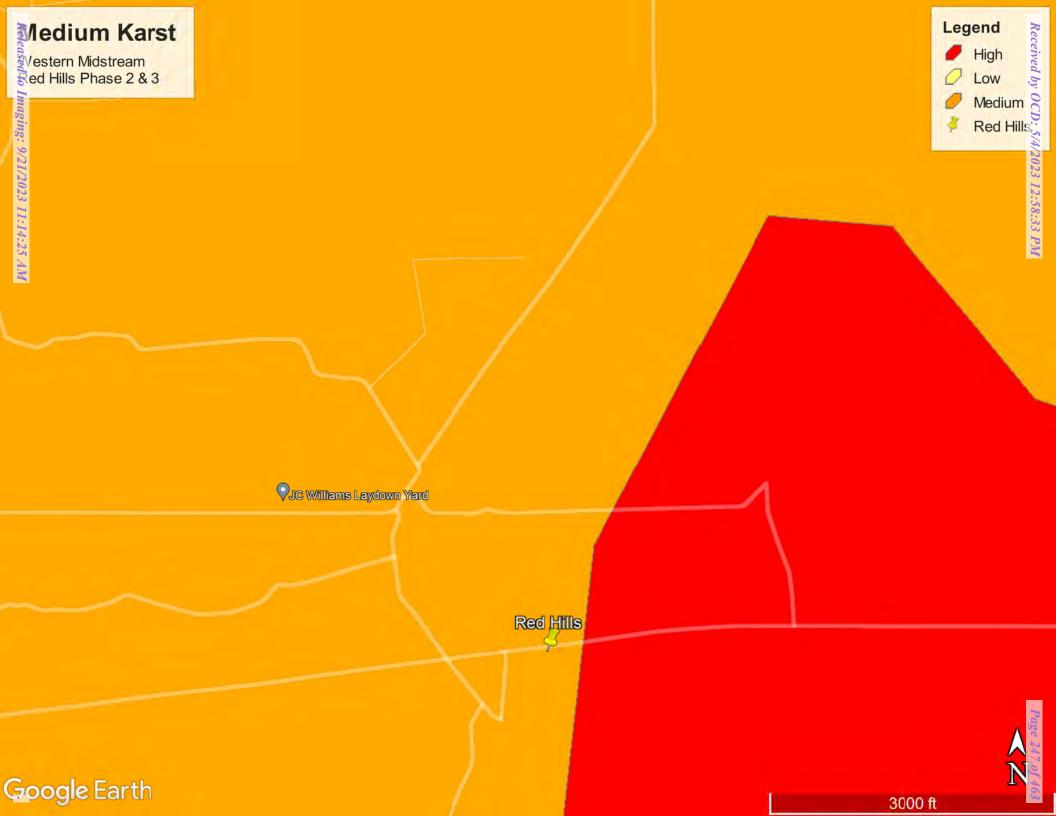
-No significant water features within specified distances
-Groundwater 53.46' BGS 1.21 Miles Northwest. (USGS, Section 26, 2021 Sample)
-Groundwater 67' BGS 1.6 Miles from the site. (NMOSE, Section 22, 2022 sample)
-Groundwater 58' BGS 1.82 Miles Southwest (Texas Well Report #356414)
-Groundwater 81' BGS 1.82 Miles Southwest (Texas Well Report #356411)
900'+ from HUC 12

RRALs:

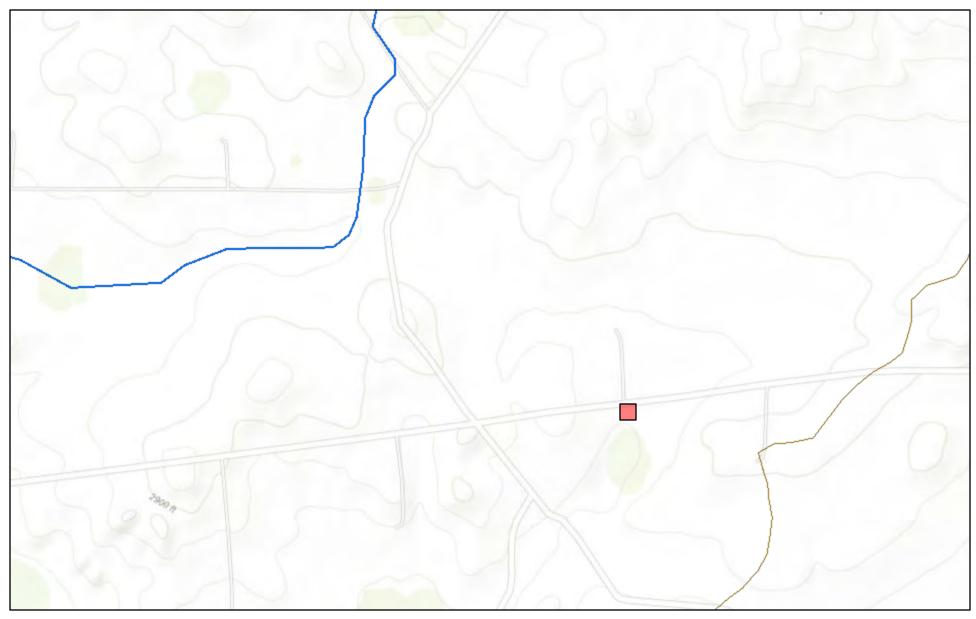
-600 mg/kg Chlorides -100 mg/kg Total TPH -10 mg/kg Benzene -50 mg/kg Total BTEX

Explanation:

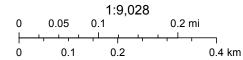
Due to inadequate groundwater information (distance further than ½ mile/data dated >25 years), Most stringent RRALs will be followed unless groundwater determination bore is drilled, and no water is found at depths of at least 55' BGS or greater.



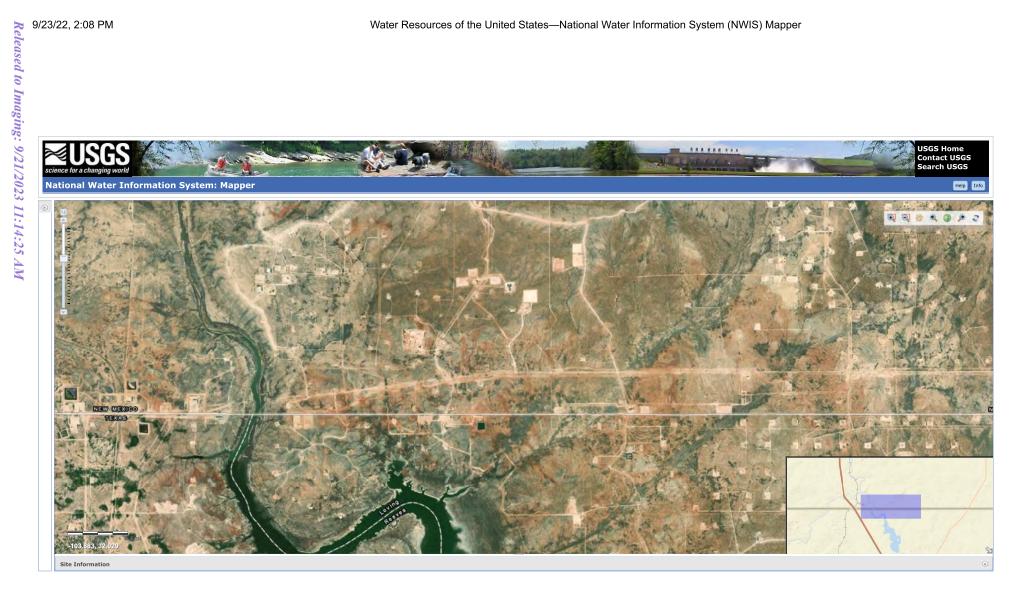
New Mexico NFHL Data



September 23, 2022



FEMA, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey,





Click to hideNews Bulletins

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

Groundwater levels for New Mexico

Click to hide state-specific text

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs site_no list =

• 320106103555301

 $\label{eq:minimum number of levels} \textbf{Minimum number of levels} = 1$

Save file of selected sites to local disk for future upload

USGS 320106103555301 26S.29E.26.13143

Eddy County, New Mexico Latitude 32°00'51.3", Longitude 103°57'42.0" NAD83 Land-surface elevation 2,883.00 feet above NGVD29 The depth of the well is 140 feet below land surface. This well is completed in the Other aquifers (N9999OTHER) national aquifer. This well is completed in the Rustler Formation (312RSLR) local aquifer.

Ou	tput	formats	

Tab-separated data Graph of data Reselect period

Date \$	Time \$? Water- level	? Parameter [‡] code	Water level, feet \$\phi\$ land surface	Water level, feet above \$ specific vertical datum	Referenced vertical \$ datum	? Status	? Method of reasurement	? Measuring ^{\$\frac{1}{2}} agency	? Source of measurement	? Water- level approval status
1983-01-26		D	62610		2828.70	NGVD29	1	Z			А
1983-01-26		D	62611		2830.22	NAVD88	1	Z			А
1983-01-26		D	72019	54.30			1	Z			А
1987-10-14		D	62610		2847.71	NGVD29	1	Z			А
1987-10-14		D	62611		2849.23	NAVD88	1	Z			А
1987-10-14		D	72019	35.29			1	Z			Α
1992-11-04		D	62610		2838.94	NGVD29	1	S			А
1992-11-04		D	62611		2840.46	NAVD88	1	S			А
1992-11-04		D	72019	44.06			1	S			Α
1998-01-28		D	62610		2829.99	NGVD29	1	S			А
1998-01-28		D	62611		2831.51	NAVD88	1	S			А
1998-01-28		D	72019	53.01			1	S			А
2003-01-27		D	62610		2827.07	NGVD29	1	S			А
2003-01-27		D	62611		2828.59	NAVD88	1	S			А
2003-01-27		D		55.93			1	S			Α
2013-01-09	19:00 UTC		62610		2825.19	NGVD29	1	S			A
2013-01-09	19:00 UTC				2826.71	NAVD88	1	S			A
2013-01-09	19:00 UTC		72019	57.81	2020 54	NOVE	1	S			A
2021-02-24	21:10 UTC				2829.54	NGVD29	1	S			A
2021-02-24	21:10 UTC		62611	F2 46	2831.06	NAVD88	1	S			A
2021-02-24	21:10 UTC	m	72019	53.46			1	S			Α

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				
Parameter code	62610	Groundwater level above NGVD 1929, feet				
Parameter code	62611	Groundwater level above NAVD 1988, feet				
Parameter code	72019	Depth to water level, feet below land surface				
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988				
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929				
Status	1	Static				

USA.gov

Section	•	Code	\$ Description	\$						
Method of measurement		S	Steel-tape measurement.							
Method of measurement		Z	Other.							
Measuring agency			Not determined							
Source of measurement			Not determined							
Water-level approval status		А	Approved for publication Processing and review completed.							

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

FOIA Privacy Accessibility

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for New Mexico: Water Levels
URL: https://nwis.waterdata.usgs.gov/nm/nwis/gwlevels?

Page Contact Information: New Mexico Water Data Maintainer
Page Last Modified: 2022-09-23 15:13:28 EDT
0.28 0.25 nadww01



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 Sub-		Q	QQ)						Depth	Depth	Water
POD Number	Code basin	County	64 1	6 4	Sec	Tws	Rng	X	Υ	Distance	Well	Water	Column
C 02038	С	ED	3	2 4	26	26S	29E	599204	3541992* 🌍	747	200		
C 04561 POD1	CUB	ED	4	3 3	3 24	26S	29E	599924	3543208 🌍	1685			
C 04653 POD6	CUB	ED	4	4 4	22	26S	29E	597782	3543171 🎒	2595	74	67	7
C 04653 POD5	CUB	ED	4	4 4	22	26S	29E	597784	3543186 🎒	2603	72	67	5
C 01354 X-3	CUB	ED	2	1 3	3 23	26S	29E	598323	3543837 🎒	2736	170		
C 03605 POD1	CUB	ED	4	2 3	3 27	26S	29E	596990	3541983 🎒	2837	45	0	45

Average Depth to Water:

44 feet

Minimum Depth:

0 feet

Maximum Depth:

67 feet

Record Count: 6

Basin/County Search:

County: Eddy

UTMNAD83 Radius Search (in meters):

Easting (X): 599790.55 Northing (Y): 3541527.933 Radius: 3200

*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.



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X Y

C 02038 3 2 4 26 26S 29E

599204 3541992*

6

Driller License: 421 **Driller Company:** GLENN'S WATER WELL SERVICE

Driller Name: CORKY GLENN

Drill Start Date: 09/01/1982 **Drill Finish Date:** 09/05/1982 **Plug Date:**

Log File Date: 09/16/1982 **PCW Rcv Date:** Source: Shallow

Pump Type:Pipe Discharge Size:Estimated Yield:Casing Size:6.63Depth Well:200 feetDepth Water:

Casing Perforations: Top Bottom

100 140

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.

3/23/23 7:50 AM

^{*}UTM location was derived from PLSS - see Help



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number** Q64 Q16 Q4 Sec Tws Rng

NA C 04653 POD5 22 26S 29E

3543186

Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE D ATKINS

07/26/2022

Drill Finish Date:

Plug Date: 07/26/2022

Drill Start Date: Log File Date:

08/18/2022

PCW Rcv Date:

Source:

Shallow

Pump Type:

Casing Size:

Pipe Discharge Size:

Estimated Yield:

Depth Well:

72 feet

Depth Water:

67 feet

Water Bearing Stratifications:

Top **Bottom Description** 64

70 Limestone/Dolomite/Chalk

70

72 Sandstone/Gravel/Conglomerate

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.

3/23/23 8:04 AM



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X Y

NA C 04653 POD6 4 4 4 22 26S 29E

597782 3543171

6

Driller License: 1249 **Driller Company:** ATKINS ENGINEERING ASSOC. INC.

Driller Name: JACKIE D ATKINS

 Drill Start Date:
 07/25/2022
 Drill Finish Date:
 07/25/2022
 Plug Date:
 07/26/2022

 Log File Date:
 08/18/2022
 PCW Rcv Date:
 Source:
 Shallow

Pump Type: Pipe Discharge Size: Estimated Yield:

Casing Size: Depth Well: 74 feet Depth Water: 67 feet

Water Bearing Stratifications: Top Bottom Description

64 74 Limestone/Dolomite/Chalk

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.

3/23/23 8:05 AM



Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**

Q64 Q16 Q4 Sec Tws Rng 27 26S 29E

596990 3541983



Driller License: 1249 **Driller Company:**

ATKINS ENGINEERING ASSOC. INC.

Driller Name: ATKINS, JACKIE D. (LD)

C 03605 POD1

Drill Start Date: 01/23/2013 **Drill Finish Date:**

01/23/2013

Plug Date:

01/28/2013

Log File Date:

02/26/2013

PCW Rcv Date:

Source:

Estimated Yield:

Pump Type: Casing Size: Pipe Discharge Size:

Depth Well:

45 feet

Depth Water: 0 feet

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.

3/23/23 8:11 AM

STATE OF TEXAS WELL REPORT for Tracking #356411

Latitude:

Owner: Owner Well #: JOHNSON#4-1 **BHP BILLITON PETROLEUM**

Address: 115 W. 3RD ST, STE 208 Grid #: 46-01-1

PECOS, TX 79772

31° 59' 28" N Well Location: 13 mi N of ORLA, 3.2 mi E of HWY 285

& .6 mi S of N.MEX line Longitude: 103° 58' 11" W ORLA, TX 79770

Elevation: 2883 ft. above sea level Well County: Loving

Type of Work: New Well Proposed Use: Rig Supply

Drilling Start Date: 2/28/2014 Drilling End Date: 2/28/2014

Bottom Depth (ft.) Diameter (in.) Top Depth (ft.) Borehole: 10 0 255

Drilling Method: Air Hammer

Filter Packed; CASED **Borehole Completion:**

Top Depth (ft.) Bottom Depth (ft.) Filter Material Size Filter Pack Intervals: 15 255 Gravel 1/4"

Top Depth (ft.) Bottom Depth (ft.) Description (number of sacks & material)

Annular Seal Data: 0 15 **4 CEMENT**

Seal Method: HAND Distance to Property Line (ft.): 5000'+

Sealed By: Driller Distance to Septic Field or other concentrated contamination (ft.): N/A

Distance to Septic Tank (ft.): No Data

Method of Verification: OWNER INFO

Surface Sleeve Installed Surface Completion:

Water Level: 81 ft. below land surface on 2014-02-28 Measurement Method: Unknown

Packers: No Data

Type of Pump: No Data

Well Tests: Jetted Yield: 40+ GPM Water Quality: Strata Depth (ft.) Water Type

SALTY

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: SKINNER'S DRILLING

P.O. BOX 544 ALPINE, TX 79831

Driller Name: WALTER SKINNER License Number: 2838

Apprentice Name: JOHN SKINNER Apprentice Number: 58577

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	3	BROWN TOPSOIL
3	35	BROWN CLAY
35	50	ORANGE CLAY
50	65	LIMESTONE & CLAY
65	75	RED SANDSTONE
75	100	GRAY LIMESTONE
100	200	RED SANDSTONE
200	255	CRYSTAL FORMATIONS

Casing: BLANK PIPE & WELL SCREEN DATA

Dia. (in.) New/Use	ed Type	Setting From/To (ft.)					
8 N STEEL 1.5	A 7						
6 N PVC SCH 40 0 195							
6 N PVC SCH	40 SLOT.	195 255 .035					

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 334-5540 STATE OF TEXAS WELL REPORT for Tracking #356414

Owner: Owner Well #: JOHNSON#4-2 **BHP BILLITON PETROLEUM**

Address: 115 W 3RD ST, STE 208 Grid #: 46-01-1

PECOS, TX 79772

13.5 mi N of ORLA, 3.3 mi E of HWY Well Location:

285. & .1 mi S of N MEX line

ORLA, TX 79770

Latitude:

Top Depth (ft.)

Longitude: 103° 58' 25" W

Elevation: 2866 ft. above sea level

31° 59' 54" N

Bottom Depth (ft.)

Well County: Loving

Type of Work: New Well Proposed Use: Rig Supply

Drilling Start Date: 3/4/2014 Drilling End Date: 3/5/2014

Diameter (in.)

Borehole: 9.875 0 303

Drilling Method: Air Hammer

Filter Packed; CASED **Borehole Completion:**

Top Depth (ft.) Bottom Depth (ft.) Filter Material Size Filter Pack Intervals: 20 303 Gravel 1/4"

Top Depth (ft.) Bottom Depth (ft.) Description (number of sacks & material) Annular Seal Data: 0 20 **5 CEMENT**

Seal Method: HAND Distance to Property Line (ft.): 5000+

Sealed By: Driller Distance to Septic Field or other concentrated contamination (ft.): N/A

Distance to Septic Tank (ft.): No Data

Method of Verification: OWNER INFO

Surface Sleeve Installed Surface Completion:

Water Level: 58 ft. below land surface on 2014-03-05 Measurement Method: Unknown

Packers: No Data

Type of Pump: No Data

Well Tests: Jetted Yield: 30+ GPM Water Quality: Strata Depth (ft.) Water Type

70-100 & 268-280 SALTY

Chemical Analysis Made: No

Did the driller knowingly penetrate any strata which contained injurious constituents?: **No**

Certification Data: The driller certified that the driller drilled this well (or the well was drilled under the

driller's direct supervision) and that each and all of the statements herein are true and correct. The driller understood that failure to complete the required items will result in

the report(s) being returned for completion and resubmittal.

Company Information: SKINNER'S DRILLING

P.O. BOX 544 ALPINE, TX 79831

Driller Name: WALTER SKINNER License Number: 2838

Apprentice Name: JOHN SKINNER Apprentice Number: 58577

Comments: No Data

Lithology: DESCRIPTION & COLOR OF FORMATION MATERIAL

Top (ft.)	Bottom (ft.)	Description
0	4	TOPSOIL
4	25	LIGHT BROWN CLAY
25	55	RED CLAY
55	115	CRYSTAL FORMATIONS
115	175	BROWN CLAY
175	185	CRYSTAL FORMATIONS
185	270	RED CLAY & SANDSTONE
270	303	CRYSTAL FORMATIONS

Casing: BLANK PIPE & WELL SCREEN DATA

Dia. (in.)	New/Used	Туре	Setting From/To (ft.)	
8 N STE	EEL 1.5A 8	3		
6 N PV	C SCH 40	0 60		
6 N PV	C SCH 40	SLOT. 6	60 100 .035	
6 N PV	C SCH 40	100 263	3	
6 N PV	C SCH 40	SLOT. 2	263 283 .035	
6 N PV	C SCH 40 2	283 303	3	

IMPORTANT NOTICE FOR PERSONS HAVING WELLS DRILLED CONCERNING CONFIDENTIALITY

TEX. OCC. CODE Title 12, Chapter 1901.251, authorizes the owner (owner or the person for whom the well was drilled) to keep information in Well Reports confidential. The Department shall hold the contents of the well log confidential and not a matter of public record if it receives, by certified mail, a written request to do so from the owner.

Please include the report's Tracking Number on your written request.

Texas Department of Licensing and Regulation P.O. Box 12157 Austin, TX 78711 (512) 334-5540



Appendix D

Photographic Documentation

Photo: 1

Description:

View of Remediation Activities.



Photo: 2

Description:

View of Remediation Activities.



Date T	aken:	Job No.	Photographs Taken By:	Page No.	Client:	Site Name:	TŁ
3/1/20 3/22/2		212C-MD-02893	Gabe Huerta	Page 1 of 4	Western Midstream	Red Hill Phase 2 and Phase 3	TETRA TECH

Photo: 3

Description:

View of Remediation Activities.



Photo: 4

Description:

View of Remediation Activities.



Date T	aken:	Job No.	Photographs Taken By:	Page No.	Client:	Site Name:	TŁ
3/1/20 3/22/2		212C-MD-02893	Gabe Huerta	Page 2 of 4	Western Midstream	Red Hill Phase 2 and Phase 3	TETRA TECH

Photo: 5

Description:

View of Remediation Activities – South side of the Site facing north.



Photo: 6

Description:

View of Remediation Activities – South side of the Site facing northeast.



Date Taken:	Job No.	Photographs Taken By:	Page No.	Client:	Site Name:	TE
3/1/2023, 3/22/2023	212C-MD-02893	Gabe Huerta	Page 3 of 4	Western Midstream	Red Hill Phase 2 and Phase 3	TETRA TECH

Photo: 7

Description:

Star Windmill owned by Ricky Pearce.



Photo: 8

Description:

Water well gauging activities.



Date Taken:	Job No.	Photographs Taken By:	Page No.	Client:	Site Name:	TE
3/1/2023, 3/22/2023	212C-MD-02893	Gabe Huerta	Page 4 of 4	Western Midstream	Red Hill Phase 2 and Phase 3	TETRA TECH



Appendix E

Analytical Laboratory Reports



October 07, 2022

RUSSEL WEIGAND
TETRA TECH
901 WEST WALL STREET , STE 100

RE: RED HILLS

MIDLAND, TX 79701

Enclosed are the results of analyses for samples received by the laboratory on 10/03/22 14:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil Project Name: RED HILLS Sampling Condition: **(

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyand By 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 3 (3-3.5') (H224586-01)

DTEV 0021D

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	99.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104 9	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 3 (4-4.5') (H224586-02)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	98.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 2 (4-4.5') (H224586-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	26.4	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 3 (3-3.5') (H224586-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/05/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	117	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	15.9	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	91.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	46.3-17	8						

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Celeg D. Freene



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 3 (4-4.5') (H224586-05)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/05/2022	ND	432	108	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	240	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	35.5	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

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Celeg D. Keene



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 2 (4-4.5') (H224586-06)

BTEX 8021B

	9,	9	7	1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	89.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.0	% 46.3-17	8						

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Celey & Keene



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: CS - 2 (4-4.5') (H224586-07)

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	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	102 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: CS - 3 (3-3.5') (H224586-08)

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	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	210	105	200	6.55	
DRO >C10-C28*	24.5	10.0	10/05/2022	ND	214	107	200	4.53	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	94.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Tamara Oldaker Project Number: 212C-MD-02853 Sample Received By:

Project Location: WESTERN - EDDY CO NM

Sample ID: CS - 3 (4-4.5') (H224586-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	85.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.5	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

ma/ka

Sample ID: CS - 1 (6') (H224586-10)

RTFY 8021R

B1EX 8021B	mg	/ Kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PI	103	% 69.9-14	10						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	90.1	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	94.5	% 46.3-17	78						
Surrogate: 1-Chlorooctadecane	94.5	% 46.3-17	78						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: CS - 2 (3-3.5') (H224586-11)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	1.70	85.0	2.00	12.1	
Toluene*	<0.050	0.050	10/06/2022	ND	1.73	86.7	2.00	8.54	
Ethylbenzene*	< 0.050	0.050	10/06/2022	ND	1.71	85.6	2.00	8.85	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.24	87.3	6.00	8.06	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	74.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.2	% 46.3-17	78						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: CS - 3 (2-2.5') (H224586-12)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	< 0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	75.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.9	% 46.3-17	78						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

ma/ka

Sample ID: CS - 4 (4') (H224586-13)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	73.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.4	% 46.3-17	<i>'8</i>						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

ma/ka

Sample ID: CS - 5 (6') (H224586-14)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	69.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.6	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (0-1') (H224586-15)

BTEX 8021B

DILX GOZID	ıııg,	ng .	Allulyzo	.u Dy. 3117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/05/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	96.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.3	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (1-1.5') (H224586-16)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Celey D. Keene



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (2-2.5') (H224586-17)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	10/05/2022	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	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	99.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (3-3.5') (H224586-18)

BTEX 8021B	mg/	kg	Analyze	d By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1		
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8		
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6		
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6		
Total BTEX	<0.300	0.300	10/07/2022	ND						
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0							
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	10/05/2022	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	10/06/2022	ND	228	114	200	2.37		
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28		
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND						
Surrogate: 1-Chlorooctane	92.8	% 45.3-16	1							
Surrogate: 1-Chlorooctadecane	95.2	26 46.3-17	8							

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (4-4.5') (H224586-19)

RTFY 8021R

B1EX 8021B	mg,	кg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/05/2022	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	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (5-5.5') (H224586-20)

BTEX 8021B

	9,	9	7	1					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/05/2022	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	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 1 (6-6.5') (H224586-21)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	103 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 2 (0-1') (H224586-22)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	13.8	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	99.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 2 (1-1.5') (H224586-23)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	25.7	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 2 (2-2.5') (H224586-24)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	120	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 2 (3-3.5') (H224586-25)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	13.1	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 3 (0-1') (H224586-26)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	230	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	55.6	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	135	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 3 (1-1.5') (H224586-27)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	128	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	29.2	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	130	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 3 (2-2.5') (H224586-28)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	92.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	17.2	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	97.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	125 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 4 (0-1') (H224586-29)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	< 0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 4 (1-1.5') (H224586-30)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 4 (2-2.5') (H224586-31)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	13.1	
Toluene*	<0.050	0.050	10/07/2022	ND	2.03	101	2.00	11.8	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.02	101	2.00	12.6	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.15	103	6.00	12.6	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 4 (3-3.5') (H224586-32)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1330	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	91.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 4 (4-4.5') (H224586-33)

RTFY 8021R

BIEX 8021B	mg/	^и кд	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1340	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	97.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (0-1') (H224586-34)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	6 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (1-1.5') (H224586-35)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (2-2.5') (H224586-36)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (3-3.5') (H224586-37)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (4-4.5') (H224586-38)

BTEX 8021B

	9/	9	7111411720	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	0.110	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	214	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	100	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: NSW - 5 (5-5.5') (H224586-39)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	84.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.3	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

WESTERN - EDDY CO NM Project Location:

Sample ID: NSW - 5 (6-6.5') (H224586-40)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	87.1 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.4 9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (0-1') (H224586-41)

BTEX 8021B

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 10/06/2022	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	10/06/2022						
< 0.050		10/00/2022	ND	2.01	101	2.00	0.409	
	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
<0.300	0.300	10/06/2022	ND					
99.7	% 69.9-14	0						
mg/	kg	Analyze	d By: GM					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
32.0	16.0	10/05/2022	ND	400	100	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
<10.0	10.0	10/06/2022	ND					
88.1	% 45.3-16	1						
92.8	% 46.3-17	8						
	<0.150 <0.300 99.75 mg/ Result 32.0 mg/ Result <10.0 <10.0 <88.15	<0.150 0.150 <0.300 0.300 99.7 % 69.9-140 mg/kg Result Reporting Limit 32.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <88.1 % 45.3-16	<0.150	<0.150	<0.150	<0.150	<0.150	<0.150

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (1-1.5') (H224586-42)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/06/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	89.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.5	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (2-2.5') (H224586-43)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	12.9	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	87.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.8	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (3-3.5') (H224586-44)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/05/2022	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	83.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (4-4.5') (H224586-45)

BTEX 8021B

	<u> </u>	<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/04/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	88.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (5-5.5') (H224586-46)

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	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	87.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 1 (6-6.5') (H224586-47)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	91.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.5	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 2 (0-1') (H224586-48)

BTEX 8021B

DILX GOZID	iiig/	ng .	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	78.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.3	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 2 (1-1.5') (H224586-49)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	10.9	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	84.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.4	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 2 (2-2.5') (H224586-50)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	216	108	200	2.31	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	217	108	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	78.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 2 (3-3.5') (H224586-51)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.01	101	2.00	0.409	
Toluene*	<0.050	0.050	10/07/2022	ND	2.13	106	2.00	1.69	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	0.965	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	5.99	99.8	6.00	1.00	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/05/2022	ND	213	107	200	3.88	
DRO >C10-C28*	17.8	10.0	10/05/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/05/2022	ND					
Surrogate: 1-Chlorooctane	69.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.6	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 3 (0-1') (H224586-52)

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	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	77.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.5	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 3 (1-1.5') (H224586-53)

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	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	75.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.3	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 3 (2-2.5') (H224586-54)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	69.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.4	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 4 (0-1') (H224586-55)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/05/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	76.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 4 (1-1.5') (H224586-56)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	67.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	79.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 4 (2-2.5') (H224586-57)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	67.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	77.9	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 4 (3-3.5') (H224586-58)

BTEX 8021B

	9,	9	7	7 5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	64.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	74.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 4 (4-4.5') (H224586-59)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	71.9 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	83.6	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (0-1') (H224586-60)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	59.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	68.1	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (1-1.5') (H224586-61)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	67.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	78.0	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

mg/kg

Sample ID: SSW - 5 (2-2.5') (H224586-62)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	64.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	73.7	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (3-3.5') (H224586-63)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	63.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	71.7	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (4-4.5') (H224586-64)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	65.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	74.3	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (5-5.5') (H224586-65)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	< 0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	65.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	75.5	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SSW - 5 (6-6.5') (H224586-66)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	213	107	200	3.88	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	199	99.4	200	5.70	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	65.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	75.8	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (0-1') (H224586-67)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	90.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.2	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (1-1.5') (H224586-68)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	92.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.1	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (2-2.5') (H224586-69)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.1	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

mg/kg

Sample ID: ESW - 1 (3-3.5') (H224586-70)

BTEX 8021B

	9,	9	7	7: :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	92.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.8	% 46.3-17	8						

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Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (4-4.5') (H224586-71)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.05	103	2.00	1.74	
Toluene*	<0.050	0.050	10/07/2022	ND	2.20	110	2.00	1.91	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.01	100	2.00	1.58	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.06	101	6.00	1.62	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/06/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (5-5.5') (H224586-72)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/06/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/06/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/06/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/06/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	96.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.7	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Project Number: 212C-MD-02853 Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: ESW - 1 (6-6.5') (H224586-73)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	95.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.9	% 46.3-17	8						

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Celecy D. Keene



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Project Number: Sample Received By: Tamara Oldaker 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (0-1') (H224586-74)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	98.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	6 46.3-17	8						

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Celeg D. Freene



Analytical Results For:

TETRA TECH
RUSSEL WEIGAND
901 WEST WALL STREET , STE 100
MIDLAND TX, 79701
Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (1-1.5') (H224586-75)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	98.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.6	% 46.3-17	8						

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Celey D. Keine



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (2-2.5') (H224586-76)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	28.8	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	99.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (3-3.5') (H224586-77)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	25.6	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	97.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701 Fax To: (432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (4-4.5') (H224586-78)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	96.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	97.7	% 46.3-17	8						

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Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET , STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: RED HILLS Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (5-5.5') (H224586-79)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	91.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.8	% 46.3-17	8						

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Celey D. Kune



Analytical Results For:

TETRA TECH RUSSEL WEIGAND 901 WEST WALL STREET, STE 100 MIDLAND TX, 79701

(432) 682-3946

Received: 10/03/2022 Sampling Date: 10/03/2022

Reported: 10/07/2022 Sampling Type: Soil

Fax To:

Project Name: **RED HILLS** Sampling Condition: ** (See Notes) Sample Received By: Tamara Oldaker Project Number: 212C-MD-02853

Project Location: WESTERN - EDDY CO NM

Sample ID: WSW - 1 (6-6.5') (H224586-80)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/07/2022	ND	2.10	105	2.00	0.711	
Toluene*	<0.050	0.050	10/07/2022	ND	2.06	103	2.00	1.14	
Ethylbenzene*	<0.050	0.050	10/07/2022	ND	2.00	99.8	2.00	1.41	
Total Xylenes*	<0.150	0.150	10/07/2022	ND	6.09	102	6.00	1.44	
Total BTEX	<0.300	0.300	10/07/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	10/06/2022	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/06/2022	ND	228	114	200	2.37	
DRO >C10-C28*	<10.0	10.0	10/06/2022	ND	229	114	200	1.28	
EXT DRO >C28-C36	<10.0	10.0	10/06/2022	ND					
Surrogate: 1-Chlorooctane	94.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.5	26 46.3-17	8						

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Notes and Definitions

QR-04 The RPD for the BS/BSD was outside of historical limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

ecovery.

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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	Relinquished by:		Relinquished by:	realk	Relinquished by		9	000	7	6	5	4		ى		(LAB USE)	HOLLONG		Comments:	Receiving Laboratory.	Invoice to:	Project Location: (county, state)	Project Name:	Client Name:	큐
				h	1		CS-3 (4-4.5')	CS-3 (3-3.5')	CS-2 (4-4.5')	SSW-2 (4-4.5')	NSW-3 (4-4.5")	NSW-3 (3-3.5')	NSW-2 (4-4.5')	SSW-3 (4-4.5")	SSW-3 (3-3.5")								Red Hills	West	. 7
	Date:		Date:	10/3/22													SAMPLE IDENTIFICATION			Cardinal Labs	Tetra Tech, Inc.	Eddy County, New Mexico	Hills	Western Midstream	Гetra Tech, Inc.
	Time:		Time:	1400	Time:												TION					ŏ			ch, Inc.
	Received by:		Received by:	Mall	Received by:	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	10/3/2022	DATE	YEAR: 2020	SAMPLING		Sampler Signature:		Project #:		Site Manager:	
			4	OKA NICO		×	×	×	×	×	×	×	×	×	×	WATER SOIL		G MATRIX				2120		Russ Weigand	901W Midi Tel Fax
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Tetra Tech, Inc.	Circle or Specify Method No. Sampler Signature: Payton Oliver Payton O
Sampler Signature: Peylon Oliver Peylon	Sampler Signature: Peyton Oliver Peyton
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Cid Report Limits or TRRP Report Limits Limi	Cify Method No.) STANDARD Report Limits or TRRP Report Anion/Cation Balance STANDARD Anion/Cation Balance
Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance	Chloride Sulfate TDS General Water Chemistry (see attached list) Anion/Cation Balance
	22 hr

Tetra Tech, Inc. Sample: Signature: Peyton Oliver Peyt	Tetra Tech, Inc. Steel Manager: Russ Weigand Russ Russ	Tetra Tech, Inc. Sam Manager: Russ Weigand Stroke as 100 Project 8: 212C-MD-02853 Circle or Stroke as 100 Project 8: 212C-MD-02853 Project 8: 212C-MD-0285	Tetra Tech, Inc.	Relinquished by:		Relinguished by:	leart	Relinquished by		25	72	23	22	12	20	19	81	17	(LABUSE)	# 224 SA		Comments:	Vecesatiff Papoi avoi A.	invoice to:	Project Location: (county, state)	Project Name:	Client Name:	ᆏ
Procedure: Project #: 212C-MD-02853	Procedured by: Date: Time: Peyton Office Time: Peyton Office Person Peyton Office Peyton Off	Procedured by: Date: Time: Peyton Office Time: Peyton Office Processor Peyton Office Peyton	Pech, Inc.	y.		<i>Y</i> :	120	1		NSW-2 (3-3.5')	NSW-2 (2-2.5")	NSW-2 (1-1.5')	NSW-2 (0-1')	NSW-1 (6-6.5')	NSW-1 (5-5.5')	NSW-1 (4-4.5')	NSW-1 (3-3.5')	NSW-1 (2-2.5')		S						Red Hill	Westerr	T
Stite Manager: Russ Weigand Ru	### Site Manager: Russ Weigand Sampler Signature: Paylon Oliver	### Site Manager: Russ Weigand ### 212C-MD-02853 Project #: 212C-MD-02853 Circle or S	Received by Date: Time: ANALYSIS REQUEST	Date:		Date:		Date:												AMPLE IDENTIFICATION			Labs	ech, Inc.	ounty, New Mexico	S	Midstream	etra Tec
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Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: John Faught Tetra Tech, Inc. 901 W Wall Ste 100 Midland, Texas 79701

Generated 3/9/2023 1:18:38 PM

JOB DESCRIPTION

Red Hills Phase 2 and 3 SDG NUMBER Eddy Co, NM

JOB NUMBER

880-25357-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

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Authorized for release by Jessica Kramer, Project Manager <u>Jessica.Kramer@et.eurofinsus.com</u> (432)704-5440 Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Laboratory Job ID: 880-25357-1

SDG: Eddy Co, NM

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Definitions/Glossary

Job ID: 880-25357-1 Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Qualifiers

GC/MS VOA

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier **Qualifier Description**

LCS and/or LCSD is outside acceptance limits, low biased. S1+ Surrogate recovery exceeds control limits, high biased. U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

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

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit **CNF** Contains No Free Liquid

DFR 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

Decision Level Concentration (Radiochemistry) DLC

EDL Estimated Detection Limit (Dioxin) LOD Limit of Detection (DoD/DOE) LOQ Limit of Quantitation (DoD/DOE)

EPA recommended "Maximum Contaminant Level" MCL MDA Minimum Detectable Activity (Radiochemistry) MDC Minimum Detectable Concentration (Radiochemistry)

Method Detection Limit MDL 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

Toxicity Equivalent Factor (Dioxin) TEF Toxicity Equivalent Quotient (Dioxin) TEQ

TNTC Too Numerous To Count

Eurofins Midland

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Case Narrative

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Job ID: 880-25357-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-25357-1

Receipt

The samples were received on 3/2/2023 10:16 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC/MS VOA

Method 8260D: Sample received in a bulk iar. ESW-1-2 (0-6.5') (880-25357-1), SSW-5-2 (0-6.5') (880-25357-2), SW-1 (0-6.5') (880-25357-3), SW-2 (0-6.5') (880-25357-4), SW-3 (0-6.5') (880-25357-5), SW-4 (0-6.5') (880-25357-6), SW-5 (0-6.5') (880-25357-7), SW-6 (0-6.5') (880-25357-8), SW-7 (0-6.5') (880-25357-9), SW-8 (0-6.5') (880-25357-10), SW-9 (0-6.5') (880-25357-11), SW-10 (0-6.5') (880-25357-12), SW-11 (0-6.5') (880-25357-13), SW-12 (0-6.5') (880-25357-14), SW-13 (0-6.5') (880-25357-15), SW-14 (0-6.5') (880-25357-16), SW-15 (0-6.5') (880-25357-17), SW-16 (0-6.5') (880-25357-18), BTM-1 (6.5') (880-25357-19) and (880-25357-A-1-J MS)

Method 8260D: The following sample was diluted due to the nature of the sample matrix: (860-44135-E-8-A MS). Elevated reporting limits (RLs) are provided. Sample prepped with methanol from a 40 ml methanol vial.

Method 8260D: Sample received in a bulk jar.BTM-2 (6.5') (880-25357-20), BTM-3 (6.5') (880-25357-21), BTM-4 (6.5') (880-25357-22) and BTM-5 (6.5') (880-25357-23)

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

GC Semi VOA

Method 8015MOD NM: The laboratory control sample (LCS) associated with preparation batch 880-47811 and analytical batch 880-47830 was outside acceptance criteria. Re-extraction and/or re-analysis could not be performed; therefore, the data have been reported. The batch matrix spike/matrix spike duplicate (MS/MSD) was within acceptance limits and may be used to evaluate matrix performance.

Method 8015MOD NM: The surrogate recovery for the blank associated with preparation batch 880-47812 and analytical batch 880-47832 was outside the upper control limits.

Method 8015MOD NM: Surrogate recovery for the following sample was outside control limits: (LCS 880-47868/2-A). Evidence of matrix interferences is not obvious.

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

HPLC/IC

Method 300 ORGFM 28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 880-47842 and analytical batch 880-48111 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. The associated samples are: SW-9 (0-6.5') (880-25357-11), SW-10 (0-6.5') (880-25357-12), SW-11 (0-6.5') (880-25357-13), SW-12 (0-6.5') (880-25357-14), SW-13 (0-6.5') (880-25357-15), SW-14 (0-6.5') (880-25357-16), SW-15 (0-6.5') (880-25357-17), SW-16 (0-6.5') (880-25357-18), BTM-1 (6.5') (880-25357-19), BTM-2 (6.5') (880-25357-20), (880-25357-A-11-C MS) and (880-25357-A-11-D MSD).

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

Client Sample Results

Job ID: 880-25357-1 Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: ESW-1-2 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-1

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
Toluene	<0.00500	U	0.00500		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 05:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		56 - 150				03/08/23 16:07	03/09/23 05:49	1
4-Bromofluorobenzene (Surr)	108		68 - 152				03/08/23 16:07	03/09/23 05:49	1
Dibromofluoromethane (Surr)	107		53 - 142				03/08/23 16:07	03/09/23 05:49	1
Toluene-d8 (Surr)	104		70 - 130				03/08/23 16:07	03/09/23 05:49	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00200 U 0.00200 03/09/23 14:06 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U Total TPH 49.9 03/06/23 13:36 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Analyte D Prepared Analyzed Dil Fac <49.9 U 49.9 03/04/23 11:03 03/05/23 11:00 Gasoline Range Organics mg/Kg (GRO)-C6-C10 <49.9 U 49.9 03/04/23 11:03 03/05/23 11:00 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <49.9 U 49.9 mg/Kg 03/04/23 11:03 03/05/23 11:00 Total TPH <49.9 U 49.9 mg/Kg 03/04/23 11:03 03/05/23 11:00 %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 1-Chlorooctane 112 70 - 130 03/04/23 11:03 03/05/23 11:00 o-Terphenyl 108 70 - 130 03/04/23 11:03 03/05/23 11:00

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Dil Fac Analyzed Chloride 1310 25.2 mg/Kg 03/08/23 11:22 5

Client Sample ID: SSW-5-2 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 06:12	1
Toluene	<0.00495	U	0.00495		mg/Kg		03/08/23 16:07	03/09/23 06:12	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 06:12	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 06:12	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 06:12	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 06:12	1

Client Sample Results

Client: Tetra Tech, Inc.

1-Chlorooctane

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SSW-5-2 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-2

Matrix: Solid

Surrogate	%Recovery	Qualifier Lin	nits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107	56	- 150	03/08/23 16:07	03/09/23 06:12	1
4-Bromofluorobenzene (Surr)	109	68	. 152	03/08/23 16:07	03/09/23 06:12	1
Dibromofluoromethane (Surr)	107	53	. 142	03/08/23 16:07	03/09/23 06:12	1
Toluene-d8 (Surr)	104	70	. 130	03/08/23 16:07	03/09/23 06:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00198 U 0.00198 03/09/23 14:06 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit RL D Prepared Analyzed Dil Fac Total TPH <50.0 U 50.0 03/06/23 13:36 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 03/04/23 11:03 03/05/23 12:05 mg/Kg (GRO)-C6-C10 mg/Kg Diesel Range Organics (Over <50.0 U 50.0 03/04/23 11:03 03/05/23 12:05 C10-C28) <50.0 U 50.0 03/04/23 11:03 03/05/23 12:05 Oll Range Organics (Over C28-C36) mg/Kg Total TPH <50.0 U 50.0 03/04/23 11:03 03/05/23 12:05 mg/Kg %Recovery Qualifier Limits Prepared Surrogate Analyzed Dil Fac

o-Terphenyl 109 70 - 130 03/04/23 11:03 03/05/23 12:05 Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier MDL Unit RLD Prepared Analyzed Dil Fac Chloride 531 24.8 mg/Kg 03/08/23 11:37

70 - 130

112

Client Sample ID: SW-1 (0-6.5') Lab Sample ID: 880-25357-3

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
Toluene	<0.00501	U	0.00501		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 06:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150				03/08/23 16:07	03/09/23 06:35	1
4-Bromofluorobenzene (Surr)	106		68 - 152				03/08/23 16:07	03/09/23 06:35	1
Dibromofluoromethane (Surr)	107		53 - 142				03/08/23 16:07	03/09/23 06:35	1
Toluene-d8 (Surr)	102		70 - 130				03/08/23 16:07	03/09/23 06:35	1

Analyte Result Qualifier Unit Prepared Analyzed Dil Fac <0.00200 U 0.00200 mg/Kg 03/09/23 14:06 Total BTEX

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Matrix: Solid

03/05/23 12:05

03/04/23 11:03

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-1 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-3

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:26	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:26	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:26	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130				03/04/23 11:03	03/05/23 12:26	1
o-Terphenyl	104		70 - 130				03/04/23 11:03	03/05/23 12:26	1

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 5.02 mg/Kg 03/08/23 11:42 Chloride 112

Client Sample ID: SW-2 (0-6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Lab Sample ID: 880-25357-4 **Matrix: Solid**

Method: SW846 8260D - Volatil	e Organic Comp	ounds by C	C/IVIS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00101	U	0.00101		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
Toluene	<0.00504	U	0.00504		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
Ethylbenzene	<0.00101	U	0.00101		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
m,p-Xylenes	<0.00202	U	0.00202		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
o-Xylene	<0.00101	U	0.00101		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
Xylenes, Total	<0.00202	U	0.00202		mg/Kg		03/08/23 16:07	03/09/23 06:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

1	Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	DII Fac	
	1,2-Dichloroethane-d4 (Surr)	109		56 - 150	03/08/23 16:07	03/09/23 06:59	1	
	4-Bromofluorobenzene (Surr)	106		68 - 152	03/08/23 16:07	03/09/23 06:59	1	
	Dibromofluoromethane (Surr)	108		53 - 142	03/08/23 16:07	03/09/23 06:59	1	
	Toluene-d8 (Surr)	105		70 - 130	03/08/23 16:07	03/09/23 06:59	1	

Method: TAL SOP Total BTEX - To	otal BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed
Total BTEX	<0.00202	U	0.00202		mg/Kg			03/09/23 14:06

– Method: SW846 8015 NM - Diesel I	Range Organi	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL U	Init	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	n	ng/Kg			03/06/23 13:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:49	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:49	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 12:49	1

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Dil Fac

Job ID: 880-25357-1

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: SW-2 (0-6.5') Lab Sample ID: 880-25357-4 Date Collected: 03/01/23 00:00 **Matrix: Solid**

Date Received: 03/02/23 10:16

Method: SW846 8015B N	IM - Diesel Range Orga	anics (DRO)	(GC) (Continue	ed)				
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9	mg/Kg		03/04/23 11:03	03/05/23 12:49	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130			03/04/23 11:03	03/05/23 12:49	1
o-Ternhenyl	100		70 130			03/04/23 11:03	03/05/23 12:40	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Chloride	289		4.97		mg/Kg			03/08/23 11:47	1	

Client Sample ID: SW-3 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Total BTEX

Lab Sample ID: 880-25357-5

03/09/23 14:06

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.000996 U 0.000996 03/08/23 16:07 03/09/23 07:22 mg/Kg Toluene <0.00498 U 0.00498 03/08/23 16:07 03/09/23 07:22 mg/Kg Ethylbenzene <0.000996 U 0.000996 03/08/23 16:07 03/09/23 07:22 mg/Kg 0.00199 03/08/23 16:07 03/09/23 07:22 m,p-Xylenes <0.00199 U mg/Kg o-Xylene <0.000996 U 0.000996 mg/Kg 03/08/23 16:07 03/09/23 07:22 03/08/23 16:07 Xylenes, Total <0.00199 U 0.00199 mg/Kg 03/09/23 07:22 %Recovery Qualifier Limits Dil Fac Surrogate Prepared Analyzed 56 - 150 1,2-Dichloroethane-d4 (Surr) 109 03/08/23 16:07 03/09/23 07:22 4-Bromofluorobenzene (Surr) 106 68 - 152 03/08/23 16:07 03/09/23 07:22

Analyte	Result Qualifier	RL	MDL Unit	D Prepared	Analyzed	Dil Fac
Method: TAL SOP Total BTEX - Total	al BTEX Calculation					
Toluene-d8 (Surr)	103	70 - 130		03/08/23 16:07	03/09/23 07:22	1
Dibromofluoromethane (Surr)	108	53 - 142		03/08/23 16:07	03/09/23 07:22	1

0.00199

mg/Kg

Method: SW846 8015 NM - Diesel	Range Organics (DR	O) (GC)					
Analyte	Result Qualifie	r RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			03/06/23 13:36	1

Total TPH 	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1
- Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 13:10	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 13:10	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 13:10	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 13:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	98		70 - 130				03/04/23 11:03	03/05/23 13:10	1
o-Terphenyl	98		70 - 130				03/04/23 11:03	03/05/23 13:10	1

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<0.00199 U

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-3 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-5

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	648		5.01		mg/Kg			03/08/23 11:51	1

Client Sample ID: SW-4 (0-6.5') Lab Sample ID: 880-25357-6

Date Collected: 03/01/23 00:00 Matrix: Solid

Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.000996	U	0.000996		mg/Kg		03/08/23 16:07	03/09/23 07:45	
Toluene	<0.00498	U	0.00498		mg/Kg		03/08/23 16:07	03/09/23 07:45	
Ethylbenzene	<0.000996	U	0.000996		mg/Kg		03/08/23 16:07	03/09/23 07:45	
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		03/08/23 16:07	03/09/23 07:45	
o-Xylene	<0.000996	U	0.000996		mg/Kg		03/08/23 16:07	03/09/23 07:45	
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		03/08/23 16:07	03/09/23 07:45	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
1,2-Dichloroethane-d4 (Surr)	108		56 - 150				03/08/23 16:07	03/09/23 07:45	
4-Bromofluorobenzene (Surr)	104		68 - 152				03/08/23 16:07	03/09/23 07:45	
Dibromofluoromethane (Surr)	107		53 - 142				03/08/23 16:07	03/09/23 07:45	
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:07	03/09/23 07:45	
Method: TAL SOP Total BTEX - TAL SOP Total BTEX - TAL SOP TOTAL BTEX - TALL SOP TOTAL BTEX - TALL BTEX		culation Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
							•	•	
Total BTEX Method: SW846 8015 NM - Diese	<0.00199		0.00199 GC)		mg/Kg			03/09/23 14:06	
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result	ics (DRO) (GC)	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)	MDL		D	Prepared		Dil Fa
Method: SW846 8015 NM - Diese Analyte	el Range Organ Result <	Qualifier U	GC) RL 50.0		Unit mg/Kg	<u>D</u>	Prepared	Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH	el Range Organ Result <50.0 sel Range Orga Result	Qualifier U nics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/06/23 13:36 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Die	el Range Organ Result <	Qualifier Unics (DRO) Qualifier	GC) RL 50.0		Unit mg/Kg			Analyzed 03/06/23 13:36	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	el Range Organ Result <50.0 sel Range Orga Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.0		Unit mg/Kg		Prepared	Analyzed 03/06/23 13:36 Analyzed	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	el Range Organ Result Sel Range Orga Result Result < 50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U	GC) RL 50.0 (GC) RL 50.0		Unit mg/Kg Unit mg/Kg		Prepared 03/04/23 11:03	Analyzed 03/06/23 13:36 Analyzed 03/05/23 13:31	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	el Range Organ Result Sel Range Orga Result < 50.0 < 50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg		Prepared 03/04/23 11:03	Analyzed 03/06/23 13:36 Analyzed 03/05/23 13:31 03/05/23 13:31	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 03/04/23 11:03 03/04/23 11:03	Analyzed 03/06/23 13:36 Analyzed 03/05/23 13:31 03/05/23 13:31	Dil Fa
Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	el Range Organ Result <50.0 sel Range Orga Result <50.0 <50.0 <50.0 <50.0	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U	GC) RL 50.0 (GC) RL 50.0 50.0 50.0 50.0		Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg		Prepared 03/04/23 11:03 03/04/23 11:03 03/04/23 11:03	Analyzed 03/06/23 13:36 Analyzed 03/05/23 13:31 03/05/23 13:31 03/05/23 13:31	Dil Fa

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03/08/23 12:45

25.1

mg/Kg

901

Chloride

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

Lab Sample ID: 880-25357-7

Matrix: Solid

Client Sample ID: SW-5 (0-6.5')	L
Date Collected: 03/01/23 00:00	

Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
Toluene	<0.00495	U	0.00495		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 08:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		56 - 150				03/08/23 16:07	03/09/23 08:08	1
4-Bromofluorobenzene (Surr)	105		68 - 152				03/08/23 16:07	03/09/23 08:08	1
Dibromofluoromethane (Surr)	106		53 - 142				03/08/23 16:07	03/09/23 08:08	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:07	03/09/23 08:08	1

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			03/09/23 14:06	1
Method: SW846 8015 NM - Diesel R	ange Organ	ics (DRO) (0	GC)						

Metriod. 3W046 80 13 NW - Dieser Range Organics (DRO) (GC)								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<50.0 U	50.0	mg/Kg			03/06/23 13:36	1
	_							

Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 13:53	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 13:53	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 13:53	1
Total TPH	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 13:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	104		70 - 130				03/04/23 11:03	03/05/23 13:53	1
o-Terphenyl	104		70 ₋ 130				03/04/23 11:03	03/05/23 13:53	1

Method: EPA 300.0 - Anions, Ion C	- Anions, Ion Chromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	543	4.96	mg/Kg			03/08/23 12:50	1

Client Sample ID: SW-6 (0-6.5') Lab Sample ID: 880-25357-8 Date Collected: 03/01/23 00:00 **Matrix: Solid** Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:07	03/09/23 08:31	1
Toluene	<0.00499	U	0.00499		mg/Kg		03/08/23 16:07	03/09/23 08:31	1
Ethylbenzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:07	03/09/23 08:31	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 08:31	1
o-Xylene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:07	03/09/23 08:31	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 08:31	1

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Job ID: 880-25357-1

Client Sample ID: SW-6 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-8

Matrix: Solid

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		56 - 150				03/08/23 16:07	03/09/23 08:31	1
4-Bromofluorobenzene (Surr)	107		68 - 152				03/08/23 16:07	03/09/23 08:31	1
Dibromofluoromethane (Surr)	106		53 - 142				03/08/23 16:07	03/09/23 08:31	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:07	03/09/23 08:31	1
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/09/23 14:06	1
- Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Pocult	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
raidiyto	Result	Qualifier	KL	MIDE	Ullit	U	Frepareu	Allalyzeu	Diriac
Total TPH	<49.9		49.9	WIDE	mg/Kg	=	Frepareu	03/06/23 13:36	1
	<49.9	U	49.9	MIDL					1
Total TPH	<49.9	U	49.9	MDL		<u>b</u>	Prepared		1 Dil Fac
Total TPH Method: SW846 8015B NM - Dies	<49.9	nics (DRO) Qualifier	49.9 (GC)		mg/Kg			03/06/23 13:36	1
Total TPH Method: SW846 8015B NM - Dies Analyte	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9 (GC)		mg/Kg		Prepared	03/06/23 13:36 Analyzed	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	<49.9 sel Range Orga Result	nics (DRO) Qualifier	49.9 (GC)		mg/Kg		Prepared	03/06/23 13:36 Analyzed	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<49.9 sel Range Orga Result <49.9 <49.9	Unics (DRO) Qualifier U	49.9 (GC) RL 49.9 49.9		mg/Kg Unit mg/Kg mg/Kg		Prepared 03/04/23 11:03	03/06/23 13:36 Analyzed 03/05/23 14:15 03/05/23 14:15	1
Total TPH Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<49.9 sel Range Orga Result <49.9	Unics (DRO) Qualifier U	49.9 (GC) RL 49.9		mg/Kg Unit mg/Kg		Prepared 03/04/23 11:03	03/06/23 13:36 Analyzed 03/05/23 14:15	1

Method: EPA 300.0 - Anions, Ion C	hromatograpl	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1170		4.95		mg/Kg			03/08/23 18:11	1

Limits

70 - 130

70 - 130

%Recovery Qualifier

110

112

Client Sample ID: SW-7 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Surrogate

o-Terphenyl

1-Chlorooctane

Lab Sample ID: 880-25357-9

Analyzed

03/05/23 14:15

03/05/23 14:15

Prepared

03/04/23 11:03

03/04/23 11:03

Matrix: Solid

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
Toluene	< 0.00496	U	0.00496		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
Ethylbenzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
o-Xylene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 08:54	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	110		56 - 150				03/08/23 16:07	03/09/23 08:54	1
4-Bromofluorobenzene (Surr)	102		68 - 152				03/08/23 16:07	03/09/23 08:54	1
Dibromofluoromethane (Surr)	109		53 - 142				03/08/23 16:07	03/09/23 08:54	1
Toluene-d8 (Surr)	101		70 - 130				03/08/23 16:07	03/09/23 08:54	1
- Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-7 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-9

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:36	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:36	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:36	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/04/23 11:03	03/05/23 14:36	1
o-Terphenyl	107		70 ₋ 130				03/04/23 11:03	03/05/23 14:36	1

25.0

mg/Kg

Client Sample ID: SW-8 (0-6.5')

898

Date Collected: 03/01/23 00:00

Chloride

Lab Sample ID: 880-25357-10

03/08/23 18:16

Matrix: Solid

Date Received: 03/02/23 10:16								Watri	x: Solia
Method: SW846 8260D - Volati	le Organic Comp	ounds by G	SC/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
Toluene	<0.00495	U	0.00495		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 09:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		56 - 150				03/08/23 16:07	03/09/23 09:17	1
4-Bromofluorobenzene (Surr)	103		68 - 152				03/08/23 16:07	03/09/23 09:17	1
Dibromofluoromethane (Surr)	103		53 - 142				03/08/23 16:07	03/09/23 09:17	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:07	03/09/23 09:17	1
Method: TAL SOP Total BTEX	- Total BTEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			03/09/23 14:06	1
Method: SW846 8015 NM - Die	sel Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	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			03/06/23 13:36	1	
_										

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)										
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:58	1	
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:58	1	
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:58	1	

Eurofins Midland

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Job ID: 880-25357-1 SDG: Eddy Co, NM

Project/Site: Red Hills Phase 2 and 3

Date Received: 03/02/23 10:16

Client: Tetra Tech, Inc.

Client Sample ID: SW-8 (0-6.5') Lab Sample ID: 880-25357-10 Date Collected: 03/01/23 00:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				03/04/23 11:03	03/05/23 14:58	1
o-Terphenyl	108		70 - 130				03/04/23 11:03	03/05/23 14:58	1

Method: EPA 300.0 - Anions, Ion (Chromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	465		4.96		mg/Kg			03/08/23 18:20	1

Client Sample ID: SW-9 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-11

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Wethou. 344046 0200D -	voiatile Organic Comp	ourius by c	3C/IVIS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
Toluene	<0.00495	U	0.00495		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 09:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac

Surrogate	%Recovery G	Qualifier Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107	56 - 150	03/08/23 16:07	03/09/23 09:40	1
4-Bromofluorobenzene (Surr)	105	68 - 152	03/08/23 16:07	03/09/23 09:40	1
Dibromofluoromethane (Surr)	108	53 - 142	03/08/23 16:07	03/09/23 09:40	1
Toluene-d8 (Surr)	103	70 - 130	03/08/23 16:07	03/09/23 09:40	1

Method: TAL SOP Total BTEX - To	otal BTEX Calculation					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	

ı	Analyte	Result	Qualifier	RL	MDL	Unit	L	כ	Prepared	Analyzed	DII Fac
	Total BTEX	<0.00198	U	0.00198		mg/Kg				03/09/23 14:06	1

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

Analyte		Qualifier R	. MDL I	Unit D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.) i	mg/Kg		03/06/23 13:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 15:42	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 15:42	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 15:42	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 15:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/04/23 11:03	03/05/23 15:42	1
o-Terphenyl	105		70 - 130	03/04/23 11:03	03/05/23 15:42	1

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-9 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-11

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3110	F1	50.5		mg/Kg			03/08/23 18:25	10

Client Sample ID: SW-10 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-12

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
Toluene	<0.00501	U	0.00501		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
o-Xylene	<0.00100	U	0.00100		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:07	03/09/23 10:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112	-	56 - 150				03/08/23 16:07	03/09/23 10:03	1
4-Bromofluorobenzene (Surr)	107		68 - 152				03/08/23 16:07	03/09/23 10:03	1
Dibromofluoromethane (Surr)	105		53 - 142				03/08/23 16:07	03/09/23 10:03	1
Toluene-d8 (Surr)	105		70 - 130				03/08/23 16:07	03/09/23 10:03	1

WELLIOU. TAL SUP TOTAL BIEX - TOTAL	al BIEA Call	Julation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/09/23 14:06	1
Method: SW846 8015 NM - Diesel R	Range Organ	ics (DRO) (G	iC)						

Method: SW846 8015 NM - Diesel Range	Organ	ics (DRO) (GO	5)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 13:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 16:03	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 16:03	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 16:03	1
Total TPH	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 16:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/04/23 11:03	03/05/23 16:03	1
o-Terphenyl	106		70 - 130				03/04/23 11:03	03/05/23 16:03	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	464		4.99		mg/Kg			03/08/23 18:40	1

Job ID: 880-25357-1

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: SW-11 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-13

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
Toluene	<0.00495	U	0.00495		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
Ethylbenzene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
o-Xylene	<0.000990	U	0.000990		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:07	03/09/23 10:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			56 - 150				03/08/23 16:07	03/09/23 10:27	1
4-Bromofluorobenzene (Surr)	103		68 - 152				03/08/23 16:07	03/09/23 10:27	1
Dibromofluoromethane (Surr)	107		53 - 142				03/08/23 16:07	03/09/23 10:27	1
Toluene-d8 (Surr)	104		70 - 130				03/08/23 16:07	03/09/23 10:27	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Result Qualifier RL MDL Unit D Analyzed Dil Fac Analyte Prepared Total BTEX <0.00198 U 0.00198 03/09/23 14:06 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 03/06/23 13:36 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Analyte Unit D Prepared Analyzed Dil Fac <50.0 U 50.0 03/04/23 11:03 Gasoline Range Organics mg/Kg 03/05/23 16:24 (GRO)-C6-C10 <50.0 U 50.0 03/04/23 11:03 03/05/23 16:24 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/04/23 11:03 03/05/23 16:24 Total TPH <50.0 U 50.0 mg/Kg 03/04/23 11:03 03/05/23 16:24 Qualifier %Recovery Prepared Surrogate Limits Analyzed Dil Fac 1-Chlorooctane 103 70 - 130 03/04/23 11:03 03/05/23 16:24 o-Terphenyl 94 70 - 130 03/04/23 11:03 03/05/23 16:24

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier Dil Fac Analyte RL MDI Unit D Prepared Analyzed Chloride 1280 49.8 mg/Kg 03/08/23 18:45 10

Client Sample ID: SW-12 (0-6.5') Lab Sample ID: 880-25357-14 Date Collected: 03/01/23 00:00 **Matrix: Solid** Date Received: 03/02/23 10:16

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Benzene <0.000992 0.000992 03/08/23 16:07 03/09/23 10:50 mg/Kg Toluene <0.00496 U 0.00496 mg/Kg 03/08/23 16:07 03/09/23 10:50 Ethylbenzene <0.000992 U 0.000992 mg/Kg 03/08/23 16:07 03/09/23 10:50 0.00198 03/08/23 16:07 m,p-Xylenes <0.00198 U mg/Kg 03/09/23 10:50 0.000992 o-Xylene <0.000992 U mg/Kg 03/08/23 16:07 03/09/23 10:50 Xylenes, Total <0.00198 U 0.00198 mg/Kg 03/08/23 16:07 03/09/23 10:50

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-12 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-14

03/04/23 11:03

03/05/23 16:46

Matrix: Solid

Matrix: Solid

Surrogate	%Recovery Q	ualifier Limits	Prepared Ana	lyzed Dil Fac
1,2-Dichloroethane-d4 (Surr)		56 - 150	03/08/23 16:07 03/09/2	23 10:50 1
4-Bromofluorobenzene (Surr)	104	68 - 152	03/08/23 16:07	23 10:50 1
Dibromofluoromethane (Surr)	110	53 - 142	03/08/23 16:07 03/09/2	23 10:50 1
Toluene-d8 (Surr)	103	70 - 130	03/08/23 16:07 03/09/2	23 10:50 1
Toluene-d8 (Surr)	103	70 - 130	03/08/23 16:07 03/09/2	23 10:50

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00198 U 0.00198 03/09/23 14:06 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier MDL Unit RLDil Fac D Prepared Analyzed Total TPH <49.9 U 49.9 03/06/23 13:36 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <49.9 U Gasoline Range Organics 49.9 03/04/23 11:03 mg/Kg 03/05/23 16:46 (GRO)-C6-C10 <49.9 U 49.9 03/04/23 11:03 03/05/23 16:46 Diesel Range Organics (Over mg/Kg C10-C28) 03/04/23 11:03 03/05/23 16:46 Oll Range Organics (Over C28-C36) <49.9 U 49 9 mg/Kg Total TPH <49.9 U 49.9 03/04/23 11:03 03/05/23 16:46 mg/Kg %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac

105 70 - 130 03/04/23 11:03 03/05/23 16:46 o-Terphenyl Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Result Qualifier MDL Unit Analyte RL D Prepared Analyzed Dil Fac 491 5.00 03/08/23 18:59 Chloride mg/Kg

70 - 130

108

Client Sample ID: SW-13 (0-6.5') Lab Sample ID: 880-25357-15

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

1-Chlorooctane

Method: SW846 8260D - Volatile Organic Compounds by GC/MS Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.000990 03/08/23 16:07 03/09/23 11:13 0.000990 mg/Kg Toluene <0.00495 U 0.00495 03/08/23 16:07 03/09/23 11:13 mg/Kg Ethylbenzene <0.000990 U 0.000990 03/08/23 16:07 03/09/23 11:13 mg/Kg m,p-Xylenes <0.00198 0.00198 mg/Kg 03/08/23 16:07 03/09/23 11:13 o-Xylene <0.000990 U 0.000990 mg/Kg 03/08/23 16:07 03/09/23 11:13 Xylenes, Total <0.00198 U 0.00198 mg/Kg 03/08/23 16:07 03/09/23 11:13 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 1,2-Dichloroethane-d4 (Surr) 109 56 - 150 03/08/23 16:07 03/09/23 11:13 03/08/23 16:07 03/09/23 11:13 4-Bromofluorobenzene (Surr) 107 68 - 152 Dibromofluoromethane (Surr) 106 53 - 142 03/08/23 16:07 03/09/23 11:13 Toluene-d8 (Surr) 70 - 130 03/08/23 16:07 03/09/23 11:13 101 **Method: TAL SOP Total BTEX - Total BTEX Calculation** MDL

Analyte Result Qualifier Unit D Prepared Analyzed Dil Fac RL Total BTEX <0.00198 U 0.00198 mg/Kg 03/09/23 14:06

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

D

Prepared

SDG: Eddy Co, NM

Client Sample ID: SW-13 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-15

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:07	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:07	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:07	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130				03/04/23 11:03	03/05/23 17:07	1
o-Terphenyl	95		70 - 130				03/04/23 11:03	03/05/23 17:07	1

Client Sample ID: SW-14 (0-6.5') Lab Sample ID: 880-25357-16

RL

50.4

MDL Unit

mg/Kg

Result Qualifier

1430

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Analyte

Chloride

Analyzed

03/08/23 19:04

Matrix: Solid

Dil Fac

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
Toluene	< 0.00496	U	0.00496		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
Ethylbenzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
o-Xylene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 11:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)			56 - 150				03/08/23 16:41	03/09/23 11:36	1
4-Bromofluorobenzene (Surr)	106		68 - 152				03/08/23 16:41	03/09/23 11:36	1
Dibromofluoromethane (Surr)	111		53 - 142				03/08/23 16:41	03/09/23 11:36	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:41	03/09/23 11:36	
Analyte Total BTEX	Result < 0.00198	Qualifier U		MDL	Unit mg/Kg	D	Prepared	Analyzed 03/09/23 14:06	
Analyte Total BTEX			RL 0.00198	MDL		D	Prepared		Dil Fac
- Method: SW846 8015 NM - Diese	l Pango Organ	ice (DPO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.2		50.0		mg/Kg			03/06/23 13:36	1
-	75.2		00.0		mg/rtg			00/00/20 10:00	·
	ol Pango Orga	nics (DRO)	(GC)						
Method: SW846 8015B NM - Dies	sei Kange Orga					D	Prepared	Analyzed	Dil Fac
	• •	Qualifier	RL	MDL	Unit	U	riepaieu	Allaly 20a	
Method: SW846 8015B NM - Dies Analyte Gasoline Range Organics	• •	Qualifier	RL 50.0	MDL	mg/Kg	— -	03/04/23 11:03	03/05/23 17:28	1
Analyte	Result	Qualifier		MDL				03/05/23 17:28	1
Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	Result	Qualifier		MDL					1
Analyte Gasoline Range Organics (GRO)-C6-C10	Result <50.0	Qualifier U	50.0	MDL	mg/Kg		03/04/23 11:03	03/05/23 17:28	1

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: SW-14 (0-6.5')

Lab Sample ID: 880-25357-16 Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	79.2		50.0		mg/Kg		03/04/23 11:03	03/05/23 17:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/04/23 11:03	03/05/23 17:28	1
o-Terphenyl	104		70 - 130				03/04/23 11:03	03/05/23 17:28	1

Method: EPA 300.0 - Anions, Ion Ch	romatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	891	4.97	mg/Kg			03/08/23 19:28	1

Client Sample ID: SW-15 (0-6.5')

Lab Sample ID: 880-25357-17 Date Collected: 03/01/23 00:00 Matrix: Solid

Date Received: 03/02/23 10:16

Method: SW846 8260D - Volati	le Organic Comp	ounds by G	C/MS						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
Toluene	<0.00499	U	0.00499		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
Ethylbenzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
o-Xylene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:41	03/09/23 11:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		56 - 150				03/08/23 16:41	03/09/23 11:59	1
4-Bromofluorobenzene (Surr)	103		68 - 152				03/08/23 16:41	03/09/23 11:59	1
Dibromofluoromethane (Surr)	105		53 - 142				03/08/23 16:41	03/09/23 11:59	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:41	03/09/23 11:59	1

Method: TAL SOP Total BTEX - Total E	TEX Cal	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/09/23 14:06	1

Method: SW846 8015 NM - Di	esel Range Organics (DRO) (G	C)					
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9 U	49.9	mg/Kg			03/06/23 13:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1
 Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:50	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:50	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:50	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 17:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	105		70 - 130				03/04/23 11:03	03/05/23 17:50	1
o-Terphenyl	102		70 - 130				03/04/23 11:03	03/05/23 17:50	1

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-15 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-17

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	352		5.01		mg/Kg			03/08/23 19:09	1

Client Sample ID: SW-16 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-18

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
Toluene	< 0.00496	U	0.00496		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
Ethylbenzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
o-Xylene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 12:22	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150				03/08/23 16:41	03/09/23 12:22	1
4-Bromofluorobenzene (Surr)	103		68 - 152				03/08/23 16:41	03/09/23 12:22	1
Dibromofluoromethane (Surr)	109		53 - 142				03/08/23 16:41	03/09/23 12:22	1
Toluene-d8 (Surr)	104		70 - 130				03/08/23 16:41	03/09/23 12:22	1

Method: TAL SOP Total BTEX - Total	al BTEX Cald								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00198	U	0.00198		mg/Kg			03/09/23 14:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9		mg/Kg			03/06/23 13:36	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:12	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:12	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:12	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/04/23 11:03	03/05/23 18:12	1
o-Terphenyl	103		70 - 130				03/04/23 11:03	03/05/23 18:12	1

Method: EPA 300.0 - Anions, Ion C	hromatography - S	oluble					
Analyte	Result Qualifi	er RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	89.4	5.00	mg/Kg			03/08/23 19:14	1

Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: BTM-1 (6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-19

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
Toluene	< 0.00496	U	0.00496		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
Ethylbenzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
o-Xylene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/09/23 12:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		56 - 150				03/08/23 16:41	03/09/23 12:46	1
4-Bromofluorobenzene (Surr)	103		68 - 152				03/08/23 16:41	03/09/23 12:46	1
Dibromofluoromethane (Surr)	108		53 - 142				03/08/23 16:41	03/09/23 12:46	1
Toluene-d8 (Surr)	106		70 - 130				03/08/23 16:41	03/09/23 12:46	1

Method: TAL SOP Total BTEX - Total BTEX Calculation Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Total BTEX <0.00198 U 0.00198 03/09/23 14:06 mg/Kg

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac <50.0 U Total TPH 50.0 03/06/23 13:36 mg/Kg

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC) Result Qualifier RL MDL Unit Analyte D Prepared Analyzed Dil Fac <50.0 U Gasoline Range Organics 50.0 03/04/23 11:03 03/05/23 18:34 mg/Kg (GRO)-C6-C10 <50.0 U 50.0 03/04/23 11:03 03/05/23 18:34 Diesel Range Organics (Over mg/Kg C10-C28) Oll Range Organics (Over C28-C36) <50.0 U 50.0 mg/Kg 03/04/23 11:03 03/05/23 18:34 Total TPH <50.0 U 50.0 mg/Kg 03/04/23 11:03 03/05/23 18:34 %Recovery Qualifier Limits Surrogate Prepared Analyzed Dil Fac 1-Chlorooctane 104 70 - 130 03/04/23 11:03 03/05/23 18:34

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Dil Fac Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Chloride 521 25.2 mg/Kg 03/08/23 19:19

70 - 130

105

Client Sample ID: BTM-2 (6.5') Date Collected: 03/01/23 00:00

o-Terphenyl

Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-20

03/05/23 18:34

03/04/23 11:03

Matrix: Solid

Method: SW846 8260D -	• •	•							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/08/23 17:36	1
Toluene	<0.00499	U	0.00499		mg/Kg		03/08/23 16:41	03/08/23 17:36	1
Ethylbenzene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/08/23 17:36	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg		03/08/23 16:41	03/08/23 17:36	1
o-Xylene	<0.000998	U	0.000998		mg/Kg		03/08/23 16:41	03/08/23 17:36	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg		03/08/23 16:41	03/08/23 17:36	1

Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Lab Sample ID: 880-25357-20 Client Sample ID: BTM-2 (6.5')

Date Collected: 03/01/23 00:00 Matrix: Solid Date Received: 03/02/23 10:16

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95	56 - 150	03/08/23 16:41	03/08/23 17:36	1
4-Bromofluorobenzene (Surr)	119	68 - 152	03/08/23 16:41	03/08/23 17:36	1
Dibromofluoromethane (Surr)	105	53 - 142	03/08/23 16:41	03/08/23 17:36	1
Toluene-d8 (Surr)	103	70 - 130	03/08/23 16:41	03/08/23 17:36	1

Method: TAL SOP Total BTEX - Tot	al BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00200	U	0.00200		mg/Kg			03/09/23 14:06	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)											
	Analyte	Result	Qualifier	RL	MDL	Unit		D	Prepared	Analyzed	Dil Fac
	Total TPH	<49.9	U	49.9		mg/Kg				03/06/23 13:36	1

Method: SW846 8015B NM - Dies	sel Range Orga	nics (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		03/04/23 11:03	03/05/23 18:55	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:55	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:55	1
Total TPH	<49.9	U	49.9		mg/Kg		03/04/23 11:03	03/05/23 18:55	1
Surrogate	%Pecovery	Qualifier	l imite				Propared	Analyzed	Dil Ear

Guirogate	Miccovery	Qualifici	Liiiit	rrepared	Analyzea	Diriac
1-Chlorooctane	110		70 - 130	03/04/23 11:03	03/05/23 18:55	1
o-Terphenyl	109		70 - 130	03/04/23 11:03	03/05/23 18:55	1

Method: EPA 300.0 - Anions, ion Chromatography - Soluble								
	Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
	Chloride	239	4.99	mg/Kg			03/08/23 19:24	1

Client Sample ID: BTM-3 (6.5') Lab Sample ID: 880-25357-21

Date Collected: 03/01/23 00:00 **Matrix: Solid** Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
Toluene	<0.00497	U	0.00497		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
Ethylbenzene	< 0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
o-Xylene	< 0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		03/08/23 16:41	03/08/23 17:59	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		56 - 150				03/08/23 16:41	03/08/23 17:59	1
4-Bromofluorobenzene (Surr)	122		68 - 152				03/08/23 16:41	03/08/23 17:59	1
Dibromofluoromethane (Surr)	107		53 - 142				03/08/23 16:41	03/08/23 17:59	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:41	03/08/23 17:59	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Total BTEX	<0.00199	U	0.00199		mg/Kg			03/09/23 14:06	1

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Lab Sample ID: 880-25357-21

Matrix: Solid

Client Sample ID: BTM-3 (6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/06/23 11:31	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U *-	50.0		mg/Kg		03/04/23 10:55	03/05/23 18:34	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 18:34	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 18:34	1
Total TPH	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 18:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	99		70 - 130				03/04/23 10:55	03/05/23 18:34	1
o-Terphenyl	94		70 - 130				03/04/23 10:55	03/05/23 18:34	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solub	le						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	188		5.01		mg/Kg			03/05/23 19:15	

Client Sample ID: BTM-4 (6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Lab Sample ID:	880-25357-22
	Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
Toluene	< 0.00496	U	0.00496		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
Ethylbenzene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
m,p-Xylenes	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
o-Xylene	<0.000992	U	0.000992		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
Xylenes, Total	<0.00198	U	0.00198		mg/Kg		03/08/23 16:41	03/08/23 18:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		56 - 150				03/08/23 16:41	03/08/23 18:45	1
4-Bromofluorobenzene (Surr)	122		68 - 152				03/08/23 16:41	03/08/23 18:45	1
Dibromofluoromethane (Surr)	111		53 - 142				03/08/23 16:41	03/08/23 18:45	1
Toluene-d8 (Surr)	103		70 - 130				03/08/23 16:41	03/08/23 18:45	1
Method: TAL SOP Total BTEX - 1						_			
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Method: TAL SOP Total BTEX - 1 Analyte Total BTEX		Qualifier	RL	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 03/09/23 14:06	Dil Fac
Analyte Total BTEX	Result <0.00198	Qualifier U	0.00198	MDL		<u>D</u>	Prepared		Dil Fac
Analyte	Result <0.00198 el Range Organ	Qualifier U	0.00198	MDL	mg/Kg	D	Prepared		1
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00198 el Range Organ	Qualifier U ics (DRO) (Qualifier	0.00198 GC)		mg/Kg		<u> </u>	03/09/23 14:06	Dil Fac Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00198 el Range Organ Result	Qualifier U ics (DRO) (Qualifier	0.00198 GC)		mg/Kg		<u> </u>	03/09/23 14:06 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00198 Pl Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	0.00198 GC) RL 49.9		mg/Kg		<u> </u>	03/09/23 14:06 Analyzed	1 Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00198 Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	0.00198 GC) RL 49.9		mg/Kg Unit mg/Kg		<u> </u>	03/09/23 14:06 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00198 Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00198 GC) RL 49.9 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	03/09/23 14:06 Analyzed 03/07/23 13:47	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte	Result <0.00198 Plange Organ Result <49.9 Seel Range Orga Result	Qualifier U ics (DRO) (Qualifier U mics (DRO) Qualifier U	0.00198 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	03/09/23 14:06 Analyzed 03/07/23 13:47 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	Result <0.00198 El Range Organ Result <49.9 Seel Range Orga Result <49.9	Qualifier U ics (DRO) (Qualifier U mics (DRO) Qualifier U	0.00198 GC) RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 03/06/23 08:24	03/09/23 14:06 Analyzed 03/07/23 13:47 Analyzed 03/06/23 11:09	1 Dil Fac

Client: Tetra Tech, Inc. Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy Co, NM

Client Sample ID: BTM-4 (6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-22

Matrix: Solid

l	Method: SW846 8015B NN	l - Diesel Range Organics (DRO) (G	C) (Continued)
ı	Analyte	Posult Qualifier	DI

Analyte Total TPH	Result <49.9	Qualifier U	RL 49.9	MDL	Unit mg/Kg	D	Prepared 03/06/23 08:24	Analyzed 03/06/23 11:09	Dil Fac
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/06/23 08:24	03/06/23 11:09	1
o-Terphenyl	112		70 - 130				03/06/23 08:24	03/06/23 11:09	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
Analyte	Result C	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	358		5.00		mg/Kg			03/05/23 19:30	1

Client Sample ID: BTM-5 (6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-23

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS									
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
Toluene	<0.00497	U	0.00497		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
Ethylbenzene	<0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
m,p-Xylenes	<0.00199	U	0.00199		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
o-Xylene	<0.000994	U	0.000994		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
Xylenes, Total	<0.00199	U	0.00199		mg/Kg		03/08/23 16:41	03/08/23 19:08	1
0	0/5	0	1 : : 4 -				D	A I	D# E-

Surrogate	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98	56 - 150	03/08/23 16:41	03/08/23 19:08	1
4-Bromofluorobenzene (Surr)	120	68 - 152	03/08/23 16:41	03/08/23 19:08	1
Dibromofluoromethane (Surr)	108	53 - 142	03/08/23 16:41	03/08/23 19:08	1
Toluene-d8 (Surr)	99	70 - 130	03/08/23 16:41	03/08/23 19:08	1

Method: TAL SOP Total B	TEX - Total BTEX Calculation	
Analyto	Popult Qualifier	DI

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00199	U	0.00199		mg/Kg	_		03/09/23 14:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit)	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		ma/Ka		_	03/07/23 13:47	1

Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 12:16	1
<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 12:16	1
<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 12:16	1
<49.9	U	49.9		mg/Kg		03/06/23 08:24	03/06/23 12:16	1
	<49.9 <49.9 <49.9	Result Qualifier U	<49.9 U 49.9 <49.9 U 49.9 <49.9 U 49.9	<49.9 U 49.9 <49.9 U 49.9 <49.9 U 49.9	<49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg	<49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg <49.9 U 49.9 mg/Kg	<49.9	<49.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	119		70 - 130	03/06/23 08:24	03/06/23 12:16	1
o-Terphenyl	120		70 - 130	03/06/23 08:24	03/06/23 12:16	1

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-25357-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Client Sample ID: BTM-5 (6.5')

Lab Sample ID: 880-25357-23

Date Collected: 03/01/23 00:00 Matrix: Solid
Date Received: 03/02/23 10:16

Method: EPA 300.0 - Anions, Ion Chromatography - SolubleAnalyteResultQualifierRLMDLUnitDPreparedAnalyzedDil FacChloride78.84.99mg/Kg03/05/23 19:351

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Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-25357-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid Prep Type: Total/NA

				Percent Su	rrogate Rec
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(56-150)	(68-152)	(53-142)	(70-130)
860-44135-E-8-A MS	Matrix Spike	86	121	111	104
380-25357-1	ESW-1-2 (0-6.5')	109	108	107	104
880-25357-1 MS	ESW-1-2 (0-6.5')	103	110	105	105
880-25357-2	SSW-5-2 (0-6.5')	107	109	107	104
880-25357-3	SW-1 (0-6.5')	107	106	107	102
880-25357-4	SW-2 (0-6.5')	109	106	108	105
880-25357-5	SW-3 (0-6.5')	109	106	108	103
880-25357-6	SW-4 (0-6.5')	108	104	107	103
880-25357-7	SW-5 (0-6.5')	107	105	106	103
880-25357-8	SW-6 (0-6.5')	108	107	106	103
880-25357-9	SW-7 (0-6.5')	110	102	109	101
880-25357-10	SW-8 (0-6.5')	112	103	103	103
880-25357-11	SW-9 (0-6.5')	107	105	108	103
880-25357-12	SW-10 (0-6.5')	112	107	105	105
880-25357-13	SW-11 (0-6.5')	111	103	107	104
880-25357-14	SW-12 (0-6.5')	110	104	110	103
880-25357-15	SW-13 (0-6.5')	109	107	106	101
880-25357-16	SW-14 (0-6.5')	111	106	111	103
880-25357-17	SW-15 (0-6.5')	109	103	105	103
880-25357-18	SW-16 (0-6.5')	105	103	109	104
880-25357-19	BTM-1 (6.5')	105	103	108	106
880-25357-20	BTM-2 (6.5')	95	119	105	103
880-25357-21	BTM-3 (6.5')	95	122	107	103
880-25357-22	BTM-4 (6.5')	101	122	111	103
880-25357-23	BTM-5 (6.5')	98	120	108	99
LCS 860-93158/12	Lab Control Sample	92	115	107	101
LCS 860-93266/3	Lab Control Sample	98	109	102	107
LCSD 860-93158/13	Lab Control Sample Dup	92	112	112	102
LCSD 860-93266/4	Lab Control Sample Dup	96	110	105	105
MB 860-93158/17	Method Blank	92	119	104	102
MB 860-93266/8	Method Blank	108	106	103	107

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

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

Matrix: Solid Prep Type: Total/NA

-				Percent Surrogate Recovery (Acceptance
		1CO1	OTPH1	
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-25357-1	ESW-1-2 (0-6.5')	112	108	
880-25357-1 MS	ESW-1-2 (0-6.5')	118	104	
880-25357-1 MSD	ESW-1-2 (0-6.5')	116	103	
880-25357-2	SSW-5-2 (0-6.5')	112	109	
880-25357-3	SW-1 (0-6.5')	103	104	
380-25357-4	SW-2 (0-6.5')	100	100	

Surrogate Summary

Client: Tetra Tech, Inc.

Job ID: 880-25357-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

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

Matrix: Solid Prep Type: Total/NA

				Percent Surrogate Recovery (Acceptance Limit
		1001	OTPH1	
ab Sample ID	Client Sample ID	(70-130)	(70-130)	
80-25357-5	SW-3 (0-6.5')	98	98	
80-25357-6	SW-4 (0-6.5')	104	104	
80-25357-7	SW-5 (0-6.5')	104	104	
80-25357-8	SW-6 (0-6.5')	110	112	
80-25357-9	SW-7 (0-6.5')	111	107	
80-25357-10	SW-8 (0-6.5')	108	108	
80-25357-11	SW-9 (0-6.5')	109	105	
80-25357-12	SW-10 (0-6.5')	107	106	
80-25357-13	SW-11 (0-6.5')	103	94	
80-25357-14	SW-12 (0-6.5')	108	105	
80-25357-15	SW-13 (0-6.5')	97	95	
80-25357-16	SW-14 (0-6.5')	105	104	
80-25357-17	SW-15 (0-6.5')	105	102	
80-25357-18	SW-16 (0-6.5')	106	103	
30-25357-19	BTM-1 (6.5')	104	105	
30-25357-20	BTM-2 (6.5')	110	109	
0-25357-21	BTM-3 (6.5')	99	94	
30-25357-22	BTM-4 (6.5')	106	112	
0-25357-22 MS	BTM-4 (6.5')	115	111	
80-25357-22 MSD	BTM-4 (6.5')	105	106	
0-25357-23	BTM-5 (6.5')	119	120	
0-4212-A-21-B MS	Matrix Spike	107	96	
90-4212-A-21-C MSD	Matrix Spike Duplicate	109	98	
S 880-47811/2-A	Lab Control Sample	93	85	
S 880-47812/2-A	Lab Control Sample	101	93	
CS 880-47868/2-A	Lab Control Sample	126	135 S1+	
CSD 880-47811/3-A	Lab Control Sample Dup	92	84	
CSD 880-47812/3-A	Lab Control Sample Dup	101	93	
SD 880-47868/3-A	Lab Control Sample Dup	114	119	
B 880-47811/1-A	Method Blank	123	121	
B 880-47812/1-A	Method Blank	136 S1+	133 S1+	
	Method Blank	110	125	

Surrogate Legend

1CO = 1-Chlorooctane

OTPH = o-Terphenyl

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: 860-44135-E-8-A MS

Matrix: Solid

Analysis Batch: 93158

Client Sample ID: Matrix Spike **Prep Type: Total/NA**

Prep Batch: 92980

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.0198	U	0.990	0.8029		mg/Kg		81	71 - 119	
Toluene	<0.0990	U	0.990	0.8820		mg/Kg		89	74 - 122	
Ethylbenzene	<0.0198	U	0.990	0.8687		mg/Kg		88	80 - 123	
m,p-Xylenes	<0.0396	U	0.990	0.9475		mg/Kg		93	78 - 127	
o-Xylene	0.0336		0.990	0.9383		mg/Kg		91	79 - 125	

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	86		56 - 150
4-Bromofluorobenzene (Surr)	121		68 - 152
Dibromofluoromethane (Surr)	111		53 - 142
Toluene-d8 (Surr)	104		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Solid

Analysis Batch: 93158

Lab Sample ID: MB 860-93158/17

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			03/08/23 13:56	1
Toluene	<0.00500	U	0.00500		mg/Kg			03/08/23 13:56	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			03/08/23 13:56	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			03/08/23 13:56	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			03/08/23 13:56	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			03/08/23 13:56	1

мв мв

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		56 - 150		03/08/23 13:56	1
4-Bromofluorobenzene (Surr)	119		68 - 152		03/08/23 13:56	1
Dibromofluoromethane (Surr)	104		53 - 142		03/08/23 13:56	1
Toluene-d8 (Surr)	102		70 - 130		03/08/23 13:56	1

Lab Sample ID: LCS 860-93158/12

Matrix: Solid

Analysis Batch: 93158

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04466		mg/Kg		89	66 - 142	
Toluene	0.0500	0.04639		mg/Kg		93	74 - 130	
Ethylbenzene	0.0500	0.04759		mg/Kg		95	80 - 130	
m,p-Xylenes	0.0500	0.05004		mg/Kg		100	78 - 130	
o-Xylene	0.0500	0.04911		mg/Kg		98	79 - 130	

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		56 - 150
4-Bromofluorobenzene (Surr)	115		68 - 152
Dibromofluoromethane (Surr)	107		53 - 142
Toluene-d8 (Surr)	101		70 - 130

Lab Sample ID: LCSD 860-93158/13

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-25357-1 SDG: Eddy Co, NM Project/Site: Red Hills Phase 2 and 3

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Matrix: Solid Analysis Batch: 93158

	Spike	LCSD	LCSD				%Rec		RPD	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Benzene	0.0500	0.04590		mg/Kg		92	66 - 142	3	25	
Toluene	0.0500	0.04963		mg/Kg		99	74 - 130	7	25	
Ethylbenzene	0.0500	0.04985		mg/Kg		100	80 - 130	5	25	
m,p-Xylenes	0.0500	0.05203		mg/Kg		104	78 - 130	4	25	
o-Xylene	0.0500	0.05169		mg/Kg		103	79 - 130	5	25	

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	92		56 - 150
4-Bromofluorobenzene (Surr)	112		68 - 152
Dibromofluoromethane (Surr)	112		53 - 142
Toluene-d8 (Surr)	102		70 - 130

Client Sample ID: ESW-1-2 (0-6.5')

Prep Type: Total/NA

Prep Batch: 93243

Lab Sample ID: 880-25357-1 MS **Matrix: Solid**

Analysis Batch: 93266

Sample	Sample	Spike	MS	MS				%Rec	
Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
<0.00100	U	0.0501	0.04522		mg/Kg		90	71 - 119	
<0.00500	U	0.0501	0.04302		mg/Kg		86	74 - 122	
<0.00100	U	0.0501	0.04214		mg/Kg		84	80 - 123	
<0.00200	U	0.0501	0.04204		mg/Kg		84	78 - 127	
<0.00100	U	0.0501	0.04416		mg/Kg		88	79 - 125	
	Result <0.00100 <0.00500 <0.00100 <0.00200	Sample Result Qualifier	Result Qualifier Added <0.00100	Result Qualifier Added Result <0.00100	Result Qualifier Added Result Qualifier <0.00100	Result Qualifier Added Result Qualifier Unit <0.00100	Result Qualifier Added Result Qualifier Unit D <0.00100	Result Qualifier Added Result Qualifier Unit D %Rec <0.00100	Result Qualifier Added Result Qualifier Unit D %Rec Limits <0.00100

MS MS

Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		56 - 150
4-Bromofluorobenzene (Surr)	110		68 - 152
Dibromofluoromethane (Surr)	105		53 - 142
Toluene-d8 (Surr)	105		70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Analysis Batch: 93266

Matrix: Solid

Lab Sample ID: MB 860-93266/8

MB MB

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00100	U	0.00100		mg/Kg			03/09/23 05:03	1
Toluene	<0.00500	U	0.00500		mg/Kg			03/09/23 05:03	1
Ethylbenzene	<0.00100	U	0.00100		mg/Kg			03/09/23 05:03	1
m,p-Xylenes	<0.00200	U	0.00200		mg/Kg			03/09/23 05:03	1
o-Xylene	<0.00100	U	0.00100		mg/Kg			03/09/23 05:03	1
Xylenes, Total	<0.00200	U	0.00200		mg/Kg			03/09/23 05:03	1

MB MB

Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		56 - 150	-		03/09/23 05:03	1
4-Bromofluorobenzene (Surr)	106		68 - 152			03/09/23 05:03	1
Dibromofluoromethane (Surr)	103		53 - 142			03/09/23 05:03	1
Toluene-d8 (Surr)	107		70 - 130			03/09/23 05:03	1

Job ID: 880-25357-1

SDG: Eddy Co, NM

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 860-93266/3

Project/Site: Red Hills Phase 2 and 3

Matrix: Solid

Analysis Batch: 93266

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

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.0500	0.04893		mg/Kg		98	66 - 142	
Toluene	0.0500	0.04995		mg/Kg		100	74 - 130	
Ethylbenzene	0.0500	0.04908		mg/Kg		98	80 - 130	
m,p-Xylenes	0.0500	0.04877		mg/Kg		98	78 - 130	
o-Xylene	0.0500	0.04977		mg/Kg		100	79 - 130	

LCS LCS Surrogate %Recovery Qualifier Limits 56 - 150 1,2-Dichloroethane-d4 (Surr) 98 4-Bromofluorobenzene (Surr) 109 68 - 152 102 53 - 142 Dibromofluoromethane (Surr) 70 - 130 Toluene-d8 (Surr) 107

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analysis Batch: 93266

Matrix: Solid

Lab Sample ID: LCSD 860-93266/4

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Benzene	0.0500	0.04816		mg/Kg		96	66 - 142	2	25
Toluene	0.0500	0.04672		mg/Kg		93	74 - 130	7	25
Ethylbenzene	0.0500	0.04690		mg/Kg		94	80 - 130	5	25
m,p-Xylenes	0.0500	0.04643		mg/Kg		93	78 - 130	5	25
o-Xylene	0.0500	0.04814		mg/Kg		96	79 - 130	3	25

LCSD LCSD Surrogate %Recovery Qualifier Limits 96 56 - 150 1,2-Dichloroethane-d4 (Surr) 4-Bromofluorobenzene (Surr) 110 68 - 152 Dibromofluoromethane (Surr) 105 53 - 142 Toluene-d8 (Surr) 105 70 - 130

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

Lab Sample ID: MB 880-47811/1-A Client Sample ID: Method Blank **Matrix: Solid** Prep Type: Total/NA Prep Batch: 47811 Analysis Batch: 47830

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1
Total TPH	<50.0	U	50.0		mg/Kg		03/04/23 10:55	03/05/23 08:30	1

	МВ	МВ				
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	123		70 - 130	03/04/23 10:5	5 03/05/23 08:30	1
o-Terphenyl	121		70 - 130	03/04/23 10:5	5 03/05/23 08:30	1

Lab Sample ID: LCS 880-47811/2-A

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-25357-1 SDG: Eddy Co, NM Project/Site: Red Hills Phase 2 and 3

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

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47811

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	574.4	*_	mg/Kg		57	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	867.5		mg/Kg		87	70 - 130	
C10-C28)								

Matrix: Solid

Analysis Batch: 47830

LCS LCS

Surrogate	%Recovery Qu	ualifier Limits
1-Chlorooctane	93	70 - 130
o-Terphenyl	85	70 - 130

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47811

Lab Sample ID: LCSD 880-47811/3-A **Matrix: Solid**

Analysis Batch: 47830

	Spike	LCSD	LCSD				%Rec		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	1000	568.0	*_	mg/Kg		57	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	1000	848.8		mg/Kg		85	70 - 130	2	20

LCSD LCSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	92	70 - 130
o-Terphenyl	84	70 - 130

Lab Sample ID: 890-4212-A-21-B MS Client Sample ID: Matrix Spike **Matrix: Solid**

Prep Type: Total/NA Prep Batch: 47811 Analysis Batch: 47830

	Sample	Sample	Spike	MS	MS				%Rec
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	998	773.3		mg/Kg		77	70 - 130
Diesel Range Organics (Over	<49.9	U	998	722.1		mg/Kg		70	70 - 130

C10-C28)

Matrix: Solid

Analysis Batch: 47830

	IVIS	IVIS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	107		70 - 130
o-Terphenyl	96		70 - 130

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47811

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics (GRO)-C6-C10	<49.9	U *-	999	800.0		mg/Kg		80	70 - 130	3	20
Diesel Range Organics (Over C10-C28)	<49.9	U	999	738.2		mg/Kg		71	70 - 130	2	20

Lab Sample ID: 890-4212-A-21-C MSD

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	109		70 - 130

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 Job ID: 880-25357-1

SDG: Eddy Co, NM

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

Lab Sample ID: 890-4212-A-21-C MSD

Lab Sample ID: MB 880-47812/1-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 47830

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 47811

MSD MSD

Surrogate %Recovery Qualifier Limits o-Terphenyl 98 70 - 130

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47812

Analysis Batch: 47832

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 08:30	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 08:30	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 08:30	1
Total TPH	<50.0	U	50.0		mg/Kg		03/04/23 11:03	03/05/23 08:30	1
					- 0				

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	136	S1+	70 - 130	03/04/23 11:03	03/05/23 08:30	1
o-Terphenyl	133	S1+	70 - 130	03/04/23 11:03	03/05/23 08:30	1

Lab Sample ID: LCS 880-47812/2-A

Matrix: Solid

Analysis Batch: 47832

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47812

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	998.0		mg/Kg		100	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	940.3		mg/Kg		94	70 - 130	
C10-C28)								

LCS LCS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenvl	93		70 ₋ 130

Lab Sample ID: LCSD 880-47812/3-A

Matrix: Solid

Analysis Batch: 47832

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 47812

Spik	e LCSD	LCSD				%Rec		RPD
Analyte Adde	d Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Gasoline Range Organics 100	897.3		mg/Kg	_	90	70 - 130	11	20
(GRO)-C6-C10								
Diesel Range Organics (Over 100	925.5		mg/Kg		93	70 - 130	2	20

C10-C28)

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	101		70 - 130
o-Terphenyl	93		70 - 130

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

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

Lab Sample ID: 880-25357-1 MS

Analysis Batch: 47832

Matrix: Solid

Client Sample ID: ESW-1-2 (0-6.5')

Prep Type: Total/NA Prep Batch: 47812

Sample Sample Spike MS MS Result Qualifier Analyte Added Result Qualifier Unit %Rec Limits Gasoline Range Organics <49.9 U 998 1063 mg/Kg 103 70 - 130 (GRO)-C6-C10 998 Diesel Range Organics (Over <49.9 U 850.1 mg/Kg 83 70 - 130

C10-C28)

MS MS

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	118		70 - 130
o-Terphenyl	104		70 - 130

Client Sample ID: ESW-1-2 (0-6.5')

Matrix: Solid

Analysis Batch: 47832

Lab Sample ID: 880-25357-1 MSD

Prep Type: Total/NA Prep Batch: 47812

%Rec RPD

Sample Sample Spike MSD MSD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits **RPD** Limit <49.9 U 999 1044 102 70 - 130 2 Gasoline Range Organics mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 843.3 mg/Kg 83 70 - 130 C10-C28)

MSD MSD

Surrogate	%Recovery Qualifier	Limits
1-Chlorooctane	116	70 - 130
o-Terphenyl	103	70 - 130

Lab Sample ID: MB 880-47868/1-A

Matrix: Solid

Analysis Batch: 47856

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 47868

мв мв

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0	i	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0	1	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0	1	mg/Kg		03/06/23 08:24	03/06/23 08:33	1
Total TPH	<50.0	U	50.0		mg/Kg		03/06/23 08:24	03/06/23 08:33	1

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	110		70 - 130	03/06/23 08:24	03/06/23 08:33	1
o-Terphenyl	125		70 - 130	03/06/23 08:24	03/06/23 08:33	1

Lab Sample ID: LCS 880-47868/2-A

Matrix: Solid

Analysis Batch: 47856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47868

•	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	1000	1067		mg/Kg		107	70 - 130	
(GRO)-C6-C10								
Diesel Range Organics (Over	1000	1020		mg/Kg		102	70 - 130	
C10-C28)								

Client: Tetra Tech, Inc. Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

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

LCS LCS

Lab Sample ID: LCS 880-47868/2-A **Matrix: Solid**

Analysis Batch: 47856

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 47868

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	126		70 - 130
o-Terphenyl	135	S1+	70 - 130

Lab Sample ID: LCSD 880-47868/3-A Client Sample ID: Lab Control Sample Dup

Matrix: Solid

Analysis Batch: 47856

Prep Type: Total/NA

Prep Batch: 47868

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics 1000 961.3 96 70 - 130 10 20 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 912.4 mg/Kg 91 70 - 130 11 20 C10-C28)

LCSD LCSD

Sample Sample

Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	114		70 - 130
o-Terphenyl	119		70 - 130

Lab Sample ID: 880-25357-22 MS Client Sample ID: BTM-4 (6.5')

Matrix: Solid

Analysis Batch: 47856

Prep Type: Total/NA

Prep Batch: 47868

	Sample	Sample	Spike	IVIO	IVIO				/orcec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics	<49.9	U	998	999.6		mg/Kg		97	70 - 130	
(GRO)-C6-C10	-40.0		000	4000				440	70 400	
Diesel Range Organics (Over	<49.9	U	998	1099		mg/Kg		110	70 - 130	

C10-C28)

	MS I	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	115		70 - 130
o-Terphenyl	111		70 - 130

Lab Sample ID: 880-25357-22 MSD Client Sample ID: BTM-4 (6.5')

Matrix: Solid

Analysis Batch: 47856

Prep Type: Total/NA

Prep Batch: 47868

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit	
Gasoline Range Organics	<49.9	U	999	1079		mg/Kg		105	70 - 130	8	20	
(GRO)-C6-C10												
Diesel Range Organics (Over	<49.9	U	999	1050		mg/Kg		105	70 - 130	5	20	
C10-C28)												

พรบ	IVISU	
Recovery	Qualifier	Limits
105		70 - 130

Med Med

Surrogate %R 1-Chlorooctane o-Terphenyl 106 70 - 130

Job ID: 880-25357-1 Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-47779/1-A

Matrix: Solid

Analysis Batch: 47847

Prep Type: Soluble

Client Sample ID: Method Blank

Analyte Result Qualifier RLMDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 mg/Kg 03/05/23 19:00

мв мв

Lab Sample ID: LCS 880-47779/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 47847

Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chloride 250 268.3 mg/Kg 107 90 - 110

Lab Sample ID: LCSD 880-47779/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 47847

LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chloride 250 268.7 mg/Kg 107 90 - 110

Lab Sample ID: 880-25357-21 MS Client Sample ID: BTM-3 (6.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47847

MS MS Spike %Rec Sample Sample Added %Rec Analyte Result Qualifier Result Qualifier Unit Limits Chloride 188 251 443.2 102 90 - 110 mg/Kg

Lab Sample ID: 880-25357-21 MSD Client Sample ID: BTM-3 (6.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 47847

Sample Sample Spike MSD MSD %Rec RPD Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits RPD Limit Chloride 188 251 443.1 mg/Kg 102 90 - 110

Lab Sample ID: MB 880-47842/1-A Client Sample ID: Method Blank Matrix: Solid **Prep Type: Soluble**

Analysis Batch: 48111

мв мв

Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Chloride <5.00 5.00 mg/Kg 03/08/23 11:08

Lab Sample ID: LCS 880-47842/2-A Client Sample ID: Lab Control Sample **Matrix: Solid Prep Type: Soluble**

Analysis Batch: 48111

LCS LCS %Rec Spike Added Result Qualifier Limits Analyte Unit %Rec Chloride 250 268.4 mg/Kg 107 90 - 110

Lab Sample ID: LCSD 880-47842/3-A Client Sample ID: Lab Control Sample Dup **Prep Type: Soluble**

Matrix: Solid Analysis Batch: 48111

Released to Imaging: 9/21/2023 11:14:25 AM

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit %Rec Limits **RPD** Limit Chloride 250 268.4 mg/Kg 107 90 - 110 20

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-25357-1 Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Prep Type: Soluble

Prep Type: Soluble

Client Sample ID: ESW-1-2 (0-6.5')

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: 880-25357-1 MS

Matrix: Solid

Analysis Batch: 48111

_	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	1310		1260	2638		mg/Kg		106	90 - 110	

Lab Sample ID: 880-25357-1 MSD **Client Sample ID: ESW-1-2 (0-6.5')**

Matrix: Solid

Analysis Batch: 48111

-	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	1310		1260	2642		mg/Kg		106	90 - 110	0	20

Lab Sample ID: 880-25357-11 MS Client Sample ID: SW-9 (0-6.5')

Matrix: Solid Prep Type: Soluble

Analysis Batch: 48111

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Chloride	3110	F1	2530	5959	F1	mg/Kg		113	90 - 110	

Lab Sample ID: 880-25357-11 MSD Client Sample ID: SW-9 (0-6.5') **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 48111

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	3110	F1	2530	5962	F1	mg/Kg		113	90 - 110	0	20

QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

GC/MS VOA

Prep Batch: 92980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
860-44135-E-8-A MS	Matrix Spike	Total/NA	Solid	5035	

Analysis Batch: 93158

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	8260D	93243
880-25357-21	BTM-3 (6.5')	Total/NA	Solid	8260D	93243
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	8260D	93243
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	8260D	93243
MB 860-93158/17	Method Blank	Total/NA	Solid	8260D	
LCS 860-93158/12	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-93158/13	Lab Control Sample Dup	Total/NA	Solid	8260D	
860-44135-E-8-A MS	Matrix Spike	Total/NA	Solid	8260D	92980

Prep Batch: 93243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	5035	
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	5035	
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	5035	
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	5035	
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	5035	
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	5035	
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	5035	
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	5035	
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	5035	
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	5035	
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	5035	
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	5035	
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	5035	
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	5035	
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	5035	
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	5035	
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	5035	
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	5035	
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	5035	
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	5035	
880-25357-21	BTM-3 (6.5')	Total/NA	Solid	5035	
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	5035	
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	5035	
880-25357-1 MS	ESW-1-2 (0-6.5')	Total/NA	Solid	5035	

Analysis Batch: 93266

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	8260D	93243

QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

GC/MS VOA (Continued)

Analysis Batch: 93266 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	8260D	93243
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	8260D	93243
MB 860-93266/8	Method Blank	Total/NA	Solid	8260D	
LCS 860-93266/3	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 860-93266/4	Lab Control Sample Dup	Total/NA	Solid	8260D	
880-25357-1 MS	ESW-1-2 (0-6.5')	Total/NA	Solid	8260D	93243

Analysis Batch: 93438

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	Total BTEX	-
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	Total BTEX	
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	Total BTEX	
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	Total BTEX	
880-25357-21	BTM-3 (6.5')	Total/NA	Solid	Total BTEX	
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	Total BTEX	
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 47811

Lab Sample ID 880-25357-21	Client Sample ID BTM-3 (6.5')	Prep Type Total/NA	Matrix Solid	Method 8015NM Prep	Prep Batch
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
890-4212-A-21-B MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
890-4212-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

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QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

GC Semi VOA

Prep Batch: 47812

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	8015NM Prep	
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	8015NM Prep	
MB 880-47812/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47812/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-1 MS	ESW-1-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-25357-1 MSD	ESW-1-2 (0-6.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-21	BTM-3 (6.5')	Total/NA	Solid	8015B NM	47811
MB 880-47811/1-A	Method Blank	Total/NA	Solid	8015B NM	47811
LCS 880-47811/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47811
LCSD 880-47811/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47811
890-4212-A-21-B MS	Matrix Spike	Total/NA	Solid	8015B NM	47811
890-4212-A-21-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	47811

Analysis Batch: 47832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	8015B NM	47812

QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 47832 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	8015B NM	47812
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	8015B NM	47812
MB 880-47812/1-A	Method Blank	Total/NA	Solid	8015B NM	47812
LCS 880-47812/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47812
LCSD 880-47812/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47812
880-25357-1 MS	ESW-1-2 (0-6.5')	Total/NA	Solid	8015B NM	47812
880-25357-1 MSD	ESW-1-2 (0-6.5')	Total/NA	Solid	8015B NM	47812

Analysis Batch: 47856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	8015B NM	47868
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	8015B NM	47868
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015B NM	47868
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	47868
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	47868
880-25357-22 MS	BTM-4 (6.5')	Total/NA	Solid	8015B NM	47868
880-25357-22 MSD	BTM-4 (6.5')	Total/NA	Solid	8015B NM	47868

Prep Batch: 47868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	8015NM Prep	
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	8015NM Prep	
MB 880-47868/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-47868/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-47868/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-25357-22 MS	BTM-4 (6.5')	Total/NA	Solid	8015NM Prep	
880-25357-22 MSD	BTM-4 (6.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 47903

Released to Imaging: 9/21/2023 11:14:25 AM

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-25357-1	ESW-1-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-2	SSW-5-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-3	SW-1 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-4	SW-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-5	SW-3 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-6	SW-4 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-7	SW-5 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-8	SW-6 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-9	SW-7 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-10	SW-8 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-11	SW-9 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-12	SW-10 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-13	SW-11 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-14	SW-12 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-15	SW-13 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-16	SW-14 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-17	SW-15 (0-6.5')	Total/NA	Solid	8015 NM	

Eurofins Midland

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QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

GC Semi VOA (Continued)

Analysis Batch: 47903 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-18	SW-16 (0-6.5')	Total/NA	Solid	8015 NM	
880-25357-19	BTM-1 (6.5')	Total/NA	Solid	8015 NM	
880-25357-20	BTM-2 (6.5')	Total/NA	Solid	8015 NM	
880-25357-21	BTM-3 (6.5')	Total/NA	Solid	8015 NM	
880-25357-22	BTM-4 (6.5')	Total/NA	Solid	8015 NM	
880-25357-23	BTM-5 (6.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 47779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-21	BTM-3 (6.5')	Soluble	Solid	DI Leach	
880-25357-22	BTM-4 (6.5')	Soluble	Solid	DI Leach	
880-25357-23	BTM-5 (6.5')	Soluble	Solid	DI Leach	
MB 880-47779/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47779/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47779/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25357-21 MS	BTM-3 (6.5')	Soluble	Solid	DI Leach	
880-25357-21 MSD	BTM-3 (6.5')	Soluble	Solid	DI Leach	

Leach Batch: 47842

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-25357-1	ESW-1-2 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-2	SSW-5-2 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-3	SW-1 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-4	SW-2 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-5	SW-3 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-6	SW-4 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-7	SW-5 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-8	SW-6 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-9	SW-7 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-10	SW-8 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-11	SW-9 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-12	SW-10 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-13	SW-11 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-14	SW-12 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-15	SW-13 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-16	SW-14 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-17	SW-15 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-18	SW-16 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-19	BTM-1 (6.5')	Soluble	Solid	DI Leach	
880-25357-20	BTM-2 (6.5')	Soluble	Solid	DI Leach	
MB 880-47842/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-47842/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-47842/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
880-25357-1 MS	ESW-1-2 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-1 MSD	ESW-1-2 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-11 MS	SW-9 (0-6.5')	Soluble	Solid	DI Leach	
880-25357-11 MSD	SW-9 (0-6.5')	Soluble	Solid	DI Leach	

QC Association Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

HPLC/IC

Analysis Batch: 47847

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-25357-21	BTM-3 (6.5')	Soluble	Solid	300.0	47779
880-25357-22	BTM-4 (6.5')	Soluble	Solid	300.0	47779
880-25357-23	BTM-5 (6.5')	Soluble	Solid	300.0	47779
MB 880-47779/1-A	Method Blank	Soluble	Solid	300.0	47779
LCS 880-47779/2-A	Lab Control Sample	Soluble	Solid	300.0	47779
LCSD 880-47779/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47779
880-25357-21 MS	BTM-3 (6.5')	Soluble	Solid	300.0	47779
880-25357-21 MSD	BTM-3 (6.5')	Soluble	Solid	300.0	47779

Analysis Batch: 48111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-25357-1	ESW-1-2 (0-6.5')	Soluble	Solid	300.0	4784
880-25357-2	SSW-5-2 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-3	SW-1 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-4	SW-2 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-5	SW-3 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-6	SW-4 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-7	SW-5 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-8	SW-6 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-9	SW-7 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-10	SW-8 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-11	SW-9 (0-6.5')	Soluble	Solid	300.0	47842
380-25357-12	SW-10 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-13	SW-11 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-14	SW-12 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-15	SW-13 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-16	SW-14 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-17	SW-15 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-18	SW-16 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-19	BTM-1 (6.5')	Soluble	Solid	300.0	47842
880-25357-20	BTM-2 (6.5')	Soluble	Solid	300.0	47842
MB 880-47842/1-A	Method Blank	Soluble	Solid	300.0	47842
LCS 880-47842/2-A	Lab Control Sample	Soluble	Solid	300.0	47842
LCSD 880-47842/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	47842
880-25357-1 MS	ESW-1-2 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-1 MSD	ESW-1-2 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-11 MS	SW-9 (0-6.5')	Soluble	Solid	300.0	47842
880-25357-11 MSD	SW-9 (0-6.5')	Soluble	Solid	300.0	47842

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Lab Sample ID: 880-25357-1

Matrix: Solid

Client Sample ID: ESW-1-2 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.00 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 05:49	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 11:00	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48111	03/08/23 11:22	SMC	EET MID

Client Sample ID: SSW-5-2 (0-6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Lab	Samp	ole	ID:	880	-25	357	-2	
						_		

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Prep 5035 Total/NA 5.05 g 5 mL 93243 03/08/23 16:07 MTMG **EET HOU** 8260D Total/NA 5 mL 93266 03/09/23 06:12 MTMG EET HOU Analysis 1 5 mL Total/NA Total BTEX 93438 03/09/23 14:06 KLV **EET HOU** Analysis 1 Total/NA Analysis 8015 NM 47903 03/06/23 13:36 SM EET MID Total/NA 47812 Prep 8015NM Prep 10.01 g 10 mL 03/04/23 11:03 ΑJ EET MID Total/NA Analysis 8015B NM 1 uL 1 uL 47832 03/05/23 12:05 SM **EET MID** Soluble 47842 03/05/23 14:45 Leach DI Leach 5.04 g 50 mL CH **EET MID** Soluble Analysis 300.0 5 50 mL 50 mL 48111 03/08/23 11:37 SMC **EET MID**

Client Sample ID: SW-1 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-3

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 06:35	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 12:26	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47842	03/05/23 14:45	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 11:42	SMC	EET MID

Client Sample ID: SW-2 (0-6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Lab Sample ID: 880-25	357-4
Matrix	Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 06:59	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-2 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-4

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 12:49	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47842	03/05/23 14:45	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 11:47	SMC	EET MID

Client Sample ID: SW-3 (0-6.5')

Lab Sample ID: 880-25357-5

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Method Amount Amount Number or Analyzed Type Run Factor Analyst Lab EET HOU Total/NA 5035 Prep 5.02 g 5 mL 93243 03/08/23 16:07 MTMG Total/NA Analysis 8260D 5 mL 5 mL 93266 03/09/23 07:22 MTMG **EET HOU** 1 Total/NA Total BTEX 93438 **EET HOU** Analysis 1 03/09/23 14:06 KLV Total/NA Analysis 8015 NM 47903 03/06/23 13:36 SM **EET MID** Total/NA Prep 8015NM Prep 10.02 g 10 mL 47812 03/04/23 11:03 ΑJ **EET MID** Total/NA Analysis 8015B NM 1 uL 47832 03/05/23 13:10 SM **EET MID** 1 uL Soluble Leach DI Leach 4.99 g 50 mL 47842 03/05/23 14:45 CH **EET MID** Soluble Analysis 300.0 1 50 mL 50 mL 48111 03/08/23 11:51 SMC **EET MID**

Client Sample ID: SW-4 (0-6.5')

Lab Sample ID: 880-25357-6

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 07:45	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 13:31	SM	EET MID
Soluble	Leach	DI Leach			4.98 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48111	03/08/23 12:45	SMC	EET MID

Client Sample ID: SW-5 (0-6.5')

Lab Sample ID: 880-25357-7

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 08:08	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 13:53	SM	EET MID

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Matrix: Solid

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Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

Client Sample ID: SW-5 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.04 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 12:50	SMC	EET MID

Client Sample ID: SW-6 (0-6.5') Lab Sample ID: 880-25357-8

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 08:31	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 14:15	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 18:11	SMC	EET MID

Client Sample ID: SW-7 (0-6.5') Lab Sample ID: 880-25357-9

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 **Matrix: Solid**

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 08:54	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 14:36	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47842	03/05/23 14:45	CH	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48111	03/08/23 18:16	SMC	EET MID

Client Sample ID: SW-8 (0-6.5') Lab Sample ID: 880-25357-10

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 09:17	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 14:58	SM	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 18:20	SMC	EET MID

Job ID: 880-25357-1 SDG: Eddy Co, NM

Client Sample ID: SW-9 (0-6.5')

Project/Site: Red Hills Phase 2 and 3

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Client: Tetra Tech, Inc.

Lab Sample ID: 880-25357-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 09:40	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 15:42	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	47842	03/05/23 14:45	CH	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	48111	03/08/23 18:25	SMC	EET MID

Client Sample ID: SW-10 (0-6.5') Lab Sample ID: 880-25357-12

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Matrix: Solid

Dil Final Batch Batch Initial Batch Prepared Prep Type Туре Method Factor Amount Amount Number or Analyzed Lab Run **Analyst** Total/NA Prep 5035 4.99 g 5 mL 93243 03/08/23 16:07 MTMG EET HOU 8260D **EET HOU** Total/NA Analysis 1 5 mL 5 mL 93266 03/09/23 10:03 MTMG Total/NA Total BTEX 93438 Analysis 03/09/23 14:06 KI V **EET HOU** 1 Total/NA Analysis 8015 NM 47903 03/06/23 13:36 SM **EET MID** Total/NA 8015NM Prep 10.01 g 10 mL 47812 03/04/23 11:03 FFT MID Prep A.I Total/NA Analysis 8015B NM 1 uL 1 uL 47832 03/05/23 16:03 SM **EET MID** Soluble 50 mL DI Leach 5.01 g 47842 03/05/23 14:45 CH **EET MID** Leach Soluble Analysis 300.0 50 mL 50 mL 48111 03/08/23 18:40 SMC **EET MID**

Client Sample ID: SW-11 (0-6.5') Lab Sample ID: 880-25357-13

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

Dil Batch Batch Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab Total/NA Prep 5035 5.05 g 5 mL 93243 03/08/23 16:07 MTMG EET HOU Total/NA Analysis 8260D 5 mL 5 mL 93266 03/09/23 10:27 MTMG **EET HOU** Total/NA Total BTEX 93438 03/09/23 14:06 KI V FFT HOU Analysis 1 Total/NA Analysis 8015 NM 47903 03/06/23 13:36 SM **EET MID** Total/NA Prep 8015NM Prep 10.01 g 10 ml 47812 03/04/23 11:03 A.I FFT MID Total/NA 8015B NM 47832 03/05/23 16:24 Analysis 1 1 uL 1 uL SM **EET MID** Soluble DI Leach 5.02 g 50 mL 47842 03/05/23 14:45 CH Leach **EET MID** Soluble Analysis 300.0 10 50 mL 50 mL 48111 03/08/23 18:45 SMC

Client Sample ID: SW-12 (0-6.5') Lab Sample ID: 880-25357-14

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

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	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 10:50	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU

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Matrix: Solid

EET MID

Matrix: Solid

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-12 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 16:46	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 18:59	SMC	EET MID

Client Sample ID: SW-13 (0-6.5') Lab Sample ID: 880-25357-15

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	93243	03/08/23 16:07	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 11:13	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 17:07	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		10	50 mL	50 mL	48111	03/08/23 19:04	SMC	EET MID

Client Sample ID: SW-14 (0-6.5') Lab Sample ID: 880-25357-16

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 11:36	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 17:28	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	47842	03/05/23 14:45	CH	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 19:28	SMC	EET MID

Lab Sample ID: 880-25357-17 **Client Sample ID: SW-15 (0-6.5')**

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 11:59	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.02 g 1 uL	10 mL 1 uL	47812 47832	03/04/23 11:03 03/05/23 17:50	AJ SM	EET MID EET MID

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Matrix: Solid

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Released to Imaging: 9/21/2023 11:14:25 AM

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Client Sample ID: SW-15 (0-6.5')

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Lab Sample ID: 880-25357-17

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.99 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 19:09	SMC	EET MID

Client Sample ID: SW-16 (0-6.5')

Date Collected: 03/01/23 00:00

Lab Sample ID: 880-25357-18

Matrix: Solid

Date Received: 03/02/23 10:16

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 12:22	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 18:12	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 19:14	SMC	EET MID

Client Sample ID: BTM-1 (6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

Lab Sample ID: 880-25357-19

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93266	03/09/23 12:46	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	48111	03/08/23 19:19	SMC	EET MID

Client Sample ID: BTM-2 (6.5')

Date Collected: 03/01/23 00:00

Date Received: 03/02/23 10:16

	8.4	atrix: Solid
ab Sample	ID: 880-	25357-20
/08/23 19:19	SMC	EET MID
/05/23 14:45	CH	EET MID
	/08/23 19:19	/08/23 19:19 SMC ab Sample ID: 880-

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93158	03/08/23 17:36	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 13:36	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47812	03/04/23 11:03	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47832	03/05/23 18:55	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47842	03/05/23 14:45	СН	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	48111	03/08/23 19:24	SMC	EET MID

Project/Site: Red Hills Phase 2 and 3 Client Sample ID: BTM-3 (6.5')

Lab Sample ID: 880-25357-21

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93158	03/08/23 17:59	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/06/23 11:31	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	47811	03/04/23 10:55	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47830	03/05/23 18:34	SM	EET MID
Soluble	Leach	DI Leach			4.99 g	50 mL	47779	03/03/23 16:05	CH	EET MID
Soluble	Analysis	300.0		1			47847	03/05/23 19:15	CH	EET MID

Lab Sample ID: 880-25357-22

Date Collected: 03/01/23 00:00

Client Sample ID: BTM-4 (6.5')

Date Received: 03/02/23 10:16

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.04 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93158	03/08/23 18:45	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 11:09	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	47779	03/03/23 16:05	CH	EET MID
Soluble	Analysis	300.0		1			47847	03/05/23 19:30	CH	EET MID

Client Sample ID: BTM-5 (6.5')

Lab Sample ID: 880-25357-23

Date Collected: 03/01/23 00:00 Date Received: 03/02/23 10:16 **Matrix: Solid**

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	93243	03/08/23 16:41	MTMG	EET HOU
Total/NA	Analysis	8260D		1	5 mL	5 mL	93158	03/08/23 19:08	MTMG	EET HOU
Total/NA	Analysis	Total BTEX		1			93438	03/09/23 14:06	KLV	EET HOU
Total/NA	Analysis	8015 NM		1			47903	03/07/23 13:47	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	47868	03/06/23 08:24	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	47856	03/06/23 12:16	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	47779	03/03/23 16:05	CH	EET MID
Soluble	Analysis	300.0		1			47847	03/05/23 19:35	CH	EET MID

Laboratory References:

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc.

Job ID: 880-25357-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy Co, NM

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	F	Program	Identification Number	Expiration Date
Texas	N	NELAP	T104704400-22-25	06-30-23
The following analytes	are included in this report. b	out the laboratory is not certif	fied by the governing authority. This list ma	av include analytes f
0 ,			.ou 2) the governing dumenty. The notice	ay molado analytoo .
the agency does not of Analysis Method		Matrix	Analyte	ay
the agency does not of	fer certification.	•	, , ,	

Laboratory: Eurofins Houston

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Pro	ogram	Identification Number	Expiration Date	
Texas		ELAP	T104704215-22-48	06-30-23	
Th - f-11					
The following analytes are included in this report					
0 ,	' '	it the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for wh	
the agency does not of	' '	it the laboratory is not certif	fied by the governing authority. This list ma	ay include analytes for wh	
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Eurofins Midland

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Method Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1 SDG: Eddy Co, NM

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET HOU
Total BTEX	Total BTEX Calculation	TAL SOP	EET HOU
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 HOU
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 HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

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

Eurofins Midland

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Sample Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-25357-1

SDG: Eddy Co, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-25357-1	ESW-1-2 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-2	SSW-5-2 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-3	SW-1 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-4	SW-2 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-5	SW-3 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-6	SW-4 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-7	SW-5 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-8	SW-6 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-9	SW-7 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-10	SW-8 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-11	SW-9 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-12	SW-10 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-13	SW-11 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-14	SW-12 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-15	SW-13 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-16	SW-14 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-17	SW-15 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-18	SW-16 (0-6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-19	BTM-1 (6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-20	BTM-2 (6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-21	BTM-3 (6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-22	BTM-4 (6.5')	Solid	03/01/23 00:00	03/02/23 10:16
880-25357-23	BTM-5 (6.5')	Solid	03/01/23 00:00	03/02/23 10:16

Project Name	Tetra Tech, Inc.
Red Hills Phase 2 and 3 Eddy County, NM Tetra Tech, Inc. atory: Eurofins SAMPLE IDENTIFICATION SW-1-2 (0-6.5') / SW-5-2 (0-6.5') / SW-4 (0-6.5') / SW-3 (0-6.5') / SW-4 (0-6.5') / SW-5 (0-6.5') / SW-7 (0-6.5') / SW-7 (0-6.5') / SW-8 (0-6.5') / Date Time Date Time	Tetra Tech,
Is Phase 2 and 3 ounty, NM ech, Inc. S AMPLE IDENTIFICATION Date Time Date Time Date Time Date Time Date Time Date Time	etra Tech,
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	Inc.
Project #- Project #- Sampler Signature: SAMPLING YEAR. 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 3/1/2023 GRadived by Received by ORIGINAL COPY	
John Faugh 212C-MI Date Date	901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 662-4559 Fax (432) 682-3946
	W Wall Street, Ste 100 Midland, Texas 79701 Tel (422) 682-4559 Fax (432) 682-3946
FILTERED (Y/N)	
PAH 8270C Total Metals Ag As Ba Cd Cr Pb Se Hg TCLP Metals Ag As Ba Cd Cr Pb Se Hg	
TCLP Semi Volatiles	
Chloride Sulfate (DS) General Water Chemistry (see attached list)	Page
Anion/Cation Balance Hold	1 of

3/9/2023

Released to Imaging: 9/21/2023 11:14:25 AM

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	Date		Date	W .	Date										SAMPLE IDENTIFICATION		Email john faught1@tetratech.com; russell weigand@tetratech com		เร	Tetra Tech, Inc.	Eddy County	Tied Tillo Filase Z aliu 3	ille Dhaso a and a	Western Midstream	Tetra Tech,	, mentioned
	Time		ime	0530	Time										ON		sell weigand@tetrat								h, Inc.	
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	<u>د</u>		Sample Temperature	ONLY ONLY						×	×	×	TF PA To	PH TX10 PH 8015 AH 8270 otal Meta CLP Meta	SM (0 DC als Ag	GRO - [J As Ba	DRO - Cd Cr	Pb S	Se Hç)			(Circle			
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	Hush Charges Authorized Special Report Limits or TRRP Report	•	Same Day 24 hr 48 hr	Sta						×	×	×	PC NC PL	C/MS Se CB's 808 DRM M (Asbe loride SI	32 / 6 estos)	08	rUC/62	5					Specify Method I	REQUEST	25	Page
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Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-25357-1

SDG Number: Eddy Co, NM

List Source: Eurofins Midland

Login Number: 25357 List Number: 1 Creator: Teel, Brianna

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

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<6mm (1/4").

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-25357-1

SDG Number: Eddy Co, NM

List Source: Eurofins Houston

List Creation: 03/08/23 02:03 PM

List Number: 2 Creator: Canadilla, Surelis

Login Number: 25357

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?	False	
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	True	

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<6mm (1/4").

Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: John Faught Tetra Tech, Inc. 901 W Wall Ste 100 Midland, Texas 79701

Generated 4/3/2023 4:12:52 PM

JOB DESCRIPTION

Red Hills Phase 2 and 3 SDG NUMBER Eddy County, NM

JOB NUMBER

880-26265-1

Eurofins Midland 1211 W. Florida Ave Midland TX 79701

Eurofins Midland

Job Notes

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

Authorization

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

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Client: Tetra Tech, Inc.

Laboratory Job ID: 880-26265-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy County, NM

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Definitions/Glossary

Job ID: 880-26265-1 Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

Qualifiers

GC VOA

Qualifier **Qualifier Description**

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

GC Semi VOA

Qualifier **Qualifier Description**

U Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier **Qualifier Description**

Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

Listed under the "D" column to designate that the result is reported on a dry weight basis

%R Percent Recovery CFL Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

DER Duplicate Error Ratio (normalized absolute difference)

Dil Fac **Dilution Factor**

Detection Limit (DoD/DOE) DL

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) Most Probable Number MPN MQL Method Quantitation Limit

NC Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

NFG 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)

Relative Percent Difference, a measure of the relative difference between two points RPD

TEF Toxicity Equivalent Factor (Dioxin) TEQ Toxicity Equivalent Quotient (Dioxin)

TNTC Too Numerous To Count

Case Narrative

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Job ID: 880-26265-1

Laboratory: Eurofins Midland

Narrative

Job Narrative 880-26265-1

Receipt

The samples were received on 3/22/2023 4:58 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.0°C

Receipt Exceptions

The following samples analyzed for method <TPH 8015> were received and analyzed from an unpreserved bulk soil jar

GC VOA

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-49794 and 880-49931 and analytical batch 880-49998 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.

GC Semi VOA

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

HPLC/IC

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

Project/Site: Red Hills Phase 2 and 3

Client Sample ID: SW-3-2 (0-6.5')

SDG: Eddy County, NM

Lab Sample ID: 880-26265-1

Matrix: Solid

Job ID: 880-26265-1

Date Collected: 03/22/23 10:00

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 19:28	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	102		70 - 130				03/30/23 12:19	04/02/23 19:28	1
1,4-Difluorobenzene (Surr)	90		70 - 130				03/30/23 12:19	04/02/23 19:28	1
Method: TAL SOP Total BTEX - 1 Analyte Total BTEY	Result	Qualifier	RL	MDL	Unit	<u>D</u>	Prepared	Analyzed	Dil Fac
Analyte Total BTEX	Result <0.00401	Qualifier U	0.00401	MDL	Unit mg/Kg	<u>D</u>	Prepared	Analyzed 04/03/23 16:27	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00401	Qualifier U	0.00401 GC)		mg/Kg			04/03/23 16:27	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00401 el Range Organ Result	Qualifier U ics (DRO) (Qualifier	0.00401 GC) RL		mg/Kg	<u>D</u>	Prepared Prepared	04/03/23 16:27 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese	Result <0.00401	Qualifier U ics (DRO) (Qualifier	0.00401 GC)		mg/Kg			04/03/23 16:27	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte	Result <0.00401 Pl Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	0.00401 GC) RL 49.9		mg/Kg			04/03/23 16:27 Analyzed	1
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	Result <0.00401 el Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U	0.00401 GC) RL 49.9	MDL	mg/Kg			04/03/23 16:27 Analyzed	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	Result <0.00401 el Range Organ Result <49.9 sel Range Orga	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier	0.00401 GC) RL 49.9	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	04/03/23 16:27 Analyzed 03/29/23 12:01	Dil Fac
Analyte Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	Result <0.00401 Pl Range Organ Result <49.9 Seel Range Orga Result	Qualifier U ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00401 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	04/03/23 16:27 Analyzed 03/29/23 12:01 Analyzed	Dil Fac Dil Fac 1 Dil Fac 1 1 1

0 0 1	,			0 0			
Total TPH	<49.9	U	49.9	mg/Kg	03/27/23 16:21	03/28/23 12:13	1
Surrogate	%Recovery	Qualifier	Limits		Prepared	Analyzed	Dil Fac
1-Chlorooctane	103		70 - 130		03/27/23 16:21	03/28/23 12:13	1
o Ternhenyl	06		70 120		02/27/22 16:21	02/28/22 12:12	1

Method: EPA 300.0 - Anions, Ion Cl	hromatograp	hy - Soluble)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	209		5.03		mg/Kg			03/31/23 10:33	1

Client Sample ID: SW-4-2 (0-6.5') Lab Sample ID: 880-26265-2

Date Collected: 03/22/23 10:10 Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 19:54	
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 19:54	
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 19:54	,
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/02/23 19:54	
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 19:54	,
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/02/23 19:54	,
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)			70 - 130				03/30/23 12:19	04/02/23 19:54	
1,4-Difluorobenzene (Surr)	87		70 - 130				03/30/23 12:19	04/02/23 19:54	

Eurofins Midland

Matrix: Solid

4/3/2023

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Client Sample ID: SW-4-2 (0-6.5')

Date Collected: 03/22/23 10:10 Date Received: 03/22/23 16:58 Lab Sample ID: 880-26265-2

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 16:27	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1
Method: SW846 8015B NM - Diese	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 13:18	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 13:18	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 13:18	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 13:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/27/23 16:21	03/28/23 13:18	1
o-Terphenyl	99		70 - 130				03/27/23 16:21	03/28/23 13:18	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	293		5.05		mg/Kg			03/31/23 10:46	1

Client Sample ID: SW-6-2 (0-6.5') Lab Sample ID: 880-26265-3 Date Collected: 03/22/23 10:20

Date Received: 03/22/23 16:58

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 20:20	
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 20:20	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 20:20	
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 20:20	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 20:20	
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 20:20	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
			70 - 130				03/30/23 12:19	04/02/23 20:20	
4-Bromofluorobenzene (Surr)	110		70 - 130				03/30/23 12.13	04/02/23 20.20	
4-Bromofluorobenzene (Surr) 1,4-Difluorobenzene (Surr)	95		70 - 130 70 - 130				03/30/23 12:19	04/02/23 20:20	
,	95 - Total BTEX Cald	culation Qualifier		MDL	Unit	D			Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX	95 - Total BTEX Cald	Qualifier	70 - 130	MDL	Unit mg/Kg	<u>D</u>	03/30/23 12:19	04/02/23 20:20	Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte	- Total BTEX Calc Result <0.00401	Qualifier U	70 - 130 RL 0.00401	MDL		<u>D</u>	03/30/23 12:19	04/02/23 20:20 Analyzed	Dil Fa
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX	- Total BTEX Calc Result <0.00401 essel Range Organ	Qualifier U	70 - 130 RL 0.00401		mg/Kg	<u>D</u>	03/30/23 12:19	04/02/23 20:20 Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did	- Total BTEX Calc Result <0.00401 essel Range Organ	Qualifier U ics (DRO) (Qualifier	70 - 130 RL 0.00401		mg/Kg		03/30/23 12:19 Prepared	04/02/23 20:20 Analyzed 04/03/23 16:27	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte	- Total BTEX Calc Result <0.00401 esel Range Organ Result <49.9	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00401 GC) RL 49.9		mg/Kg		03/30/23 12:19 Prepared	04/02/23 20:20 Analyzed 04/03/23 16:27 Analyzed	
1,4-Difluorobenzene (Surr) Method: TAL SOP Total BTEX Analyte Total BTEX Method: SW846 8015 NM - Did Analyte Total TPH	- Total BTEX Calc Result <-0.00401 esel Range Organ Result <-49.9 Diesel Range Orga	Qualifier U ics (DRO) (Qualifier U	70 - 130 RL 0.00401 GC) RL 49.9		mg/Kg		03/30/23 12:19 Prepared	04/02/23 20:20 Analyzed 04/03/23 16:27 Analyzed	Dil Fa

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Lab Sample ID: 880-26265-3

Client Sample ID: SW-6-2 (0-6.5')

Date Collected: 03/22/23 10:20 Date Received: 03/22/23 16:58

Matrix: Solid

Job ID: 880-26265-1

SDG: Eddy County, NM

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 13:40	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 13:40	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 13:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	97		70 - 130	03/27/23 16:21	03/28/23 13:40	1
o-Terphenyl	90		70 - 130	03/27/23 16:21	03/28/23 13:40	1
_						

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac 4.99 03/31/23 10:51 Chloride 391 mg/Kg

Client Sample ID: SW-7-2 (0-6.5')

Lab Sample ID: 880-26265-4 Date Collected: 03/22/23 10:30 **Matrix: Solid**

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00202	U	0.00202		mg/Kg		03/30/23 12:19	04/02/23 20:47	1
Toluene	<0.00202	U	0.00202		mg/Kg		03/30/23 12:19	04/02/23 20:47	1
Ethylbenzene	<0.00202	U	0.00202		mg/Kg		03/30/23 12:19	04/02/23 20:47	1
m-Xylene & p-Xylene	<0.00403	U	0.00403		mg/Kg		03/30/23 12:19	04/02/23 20:47	1
o-Xylene	<0.00202	U	0.00202		mg/Kg		03/30/23 12:19	04/02/23 20:47	1
Xylenes, Total	< 0.00403	U	0.00403		mg/Kg		03/30/23 12:19	04/02/23 20:47	1

Surrogate	%Recovery	Qualifier	Limits	Pro	epared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130	03/30	0/23 12:19	04/02/23 20:47	1
1,4-Difluorobenzene (Surr)	96		70 - 130	03/30	0/23 12:19	04/02/23 20:47	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00403	U	0.00403		mg/Kg			04/03/23 16:27	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			03/29/23 12:01	1

Method:	SW846	8015R	NM	- Diesel	Range	Organics	(DRO)	(GC)	
i wetiiou.	311040	00130	IAIAI	- Diesei	Range	Organics	(UKU)	100	

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:01	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:01	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:01	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	96		70 - 130	03/27/23 16:21	03/28/23 14:01	1
o-Terphenyl	89		70 - 130	03/27/23 16:21	03/28/23 14:01	1

Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

Client Sample ID: SW-7-2 (0-6.5')

Date Collected: 03/22/23 10:30 Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-4

Matrix: Solid

	Method: EPA 300.0 - Anions, Ion Cl	hromatograpl	hy - Soluble							
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Chloride	1120		25.0		mg/Kg			03/31/23 10:55	5

Client Sample ID: SW-9-2 (0-6.5')

Date Collected: 03/22/23 10:40

Date Received: 03/22/23 16:58

Lab	Sample	ID:	880-26265-5	
			Madelan Oalla	

Matrix: Solid

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil Fac Benzene <0.00199 U 04/02/23 21:12 0.00199 03/30/23 12:19 mg/Kg Toluene 04/02/23 21:12 <0.00199 U 0.00199 03/30/23 12:19 mg/Kg Ethylbenzene <0.00199 U 0.00199 03/30/23 12:19 04/02/23 21:12 mg/Kg m-Xylene & p-Xylene <0.00398 U 0.00398 03/30/23 12:19 04/02/23 21:12 mg/Kg 03/30/23 12:19 o-Xylene <0.00199 U 0.00199 mg/Kg 04/02/23 21:12 Xylenes, Total <0.00398 U 0.00398 mg/Kg 03/30/23 12:19 04/02/23 21:12 Surrogate %Recovery Qualifier Limits Prepared Analyzed Dil Fac 4-Bromofluorobenzene (Surr) 03/30/23 12:19 115 70 - 130 04/02/23 21:12 1,4-Difluorobenzene (Surr) 03/30/23 12:19 04/02/23 21:12 97 70 - 130

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			04/03/23 16:27	1		

	Method: SW846 8015 NM - Diesel R	ange Organi	ics (DRO) (G	C)						
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
l	Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:22	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:22	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:22	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 14:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	115		70 - 130	03/27/23 16:21	03/28/23 14:22	1
o-Terphenyl	109		70 - 130	03/27/23 16:21	03/28/23 14:22	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble										
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac			
Chloride	1110	25.0	mg/Kg			03/31/23 11:00	5			

Client Sample ID: SW-11-2 (0-6.5') Lab Sample ID: 880-26265-6 Date Collected: 03/22/23 10:50 **Matrix: Solid** Date Received: 03/22/23 16:58

Method: SW846 8021B - Volatile O	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		03/30/23 12:19	04/02/23 21:39	1		
Toluene	<0.00199	U	0.00199	mg/Kg		03/30/23 12:19	04/02/23 21:39	1		

Client Sample Results

Client: Tetra Tech, Inc. Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

Client Sample ID: SW-11-2 (0-6.5')

Date Collected: 03/22/23 10:50 Date Received: 03/22/23 16:58 Lab Sample ID: 880-26265-6

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 21:39	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/02/23 21:39	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/02/23 21:39	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/02/23 21:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130				03/30/23 12:19	04/02/23 21:39	1
1,4-Difluorobenzene (Surr)	92		70 ₋ 130				03/30/23 12:19	04/02/23 21:39	1

Method: TAL SOP Total BTEX - Total	al BTEX Cald	culation						
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398	mg/k	(g		04/03/23 16:27	1

Method: SW846 8015 NM - Diesel Rang	e Organ	ics (DRO) (G	C)					
Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0	mg/Kg			03/29/23 12:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 14:43	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 14:43	1
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 14:43	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 14:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	111		70 - 130				03/27/23 16:21	03/28/23 14:43	1

Method: EPA 300.0 - Anions, Ion C	hromatograp	hy - Soluble	•						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	52.5		5.03		mg/Kg			03/31/23 11:14	1

70 - 130

103

Lab Sample ID: 880-26265-7 Client Sample ID: SW-13-2 (0-6.5') Date Collected: 03/22/23 11:00 **Matrix: Solid**

Date Received: 03/22/23 16:58

o-Terphenyl

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/02/23 22:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)			70 - 130				03/30/23 12:19	04/02/23 22:06	1
1,4-Difluorobenzene (Surr)	94		70 - 130				03/30/23 12:19	04/02/23 22:06	1

Eurofins Midland

03/27/23 16:21 03/28/23 14:43

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

Client Sample ID: SW-13-2 (0-6.5')

Date Collected: 03/22/23 11:00 Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-7

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 16:27	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 15:05	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 15:05	1
C10-C28)									
OII Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 15:05	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 15:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	106		70 - 130				03/27/23 16:21	03/28/23 15:05	1
o-Terphenyl	99		70 - 130				03/27/23 16:21	03/28/23 15:05	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	• •	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	56.9		5.02		mg/Kg			03/31/23 11:18	

Client Sample ID: SW-14-2 (0-6.5')

Date Collected: 03/22/23 11:10

Lab Sample ID: 880-26265-8 **Matrix: Solid**

Analyte	Rosult	Qualifier	RL	MDI	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201		0.00201	WIDE	mg/Kg		03/30/23 12:19	04/02/23 22:33	Dirac
Toluene	<0.00201		0.00201		mg/Kg		03/30/23 12:19	04/02/23 22:33	
Ethylbenzene	<0.00201		0.00201		mg/Kg		03/30/23 12:19	04/02/23 22:33	
m-Xylene & p-Xylene	<0.00402		0.00402		mg/Kg		03/30/23 12:19	04/02/23 22:33	1
o-Xylene	<0.00201		0.00201		mg/Kg		03/30/23 12:19	04/02/23 22:33	1
Xylenes, Total	<0.00402	U	0.00402		mg/Kg		03/30/23 12:19	04/02/23 22:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130				03/30/23 12:19	04/02/23 22:33	1
1,4-Difluorobenzene (Surr)	83		70 - 130				03/30/23 12:19	04/02/23 22:33	1
	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402		mg/Kg			04/03/23 16:27	1

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Total TPH <49.9 U 49.9 mg/Kg 03/29/23 12:01

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

Result Qualifier MDL Unit Dil Fac Analyte RLD Prepared Analyzed <49.9 U 49.9 03/27/23 16:21 03/28/23 15:26 Gasoline Range Organics mg/Kg

(GRO)-C6-C10

Dil Fac

Client Sample Results

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Lab Sample ID: 880-26265-8

Matrix: Solid

Client Sample ID: SW-14-2 (0-6.5')

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Result Qualifier

Date Collected: 03/22/23 11:10 Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 15:26	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 15:26	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 15:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130				03/27/23 16:21	03/28/23 15:26	1
o-Terphenyl	100		70 ₋ 130				03/27/23 16:21	03/28/23 15:26	1

5.05 03/31/23 11:23 Chloride 684 mg/Kg **Client Sample ID: SW-17 (0-6.5')** Lab Sample ID: 880-26265-9

RL

MDL Unit

Date Collected: 03/22/23 11:20

Analyte

Matrix: Solid

Analyzed

Prepared

D

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/02/23 23:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	109		70 - 130				03/30/23 12:19	04/02/23 23:00	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/30/23 12:19	04/02/23 23:00	1
Method: TAL SOP Total BTEX -	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
·		Qualifici	114		Oilit		ricparca	7 illuly 20 u	
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 16:27	1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00399 el Range Organ Result	ics (DRO) (Qualifier	0.00399 GC)				Prepared	04/03/23 16:27 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese	<0.00399	ics (DRO) (Qualifier	0.00399 GC)		mg/Kg			04/03/23 16:27	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH	<0.00399 el Range Organ Result <49.9	ics (DRO) (0.00399 GC) RL 49.9		mg/Kg			04/03/23 16:27 Analyzed	
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese	<0.00399 el Range Organ Result <49.9 sel Range Organ	ics (DRO) (0.00399 GC) RL 49.9	MDL	mg/Kg			04/03/23 16:27 Analyzed	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics	<0.00399 el Range Organ Result <49.9 sel Range Organ	ics (DRO) (Qualifier Unics (DRO) Qualifier	0.00399 GC) RL 49.9 (GC)	MDL	mg/Kg Unit mg/Kg	<u>D</u>	Prepared	04/03/23 16:27 Analyzed 03/29/23 12:01	1
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10	<0.00399 el Range Organ Result <49.9 sel Range Organ Result	ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00399 GC) RL 49.9 (GC) RL	MDL	mg/Kg Unit mg/Kg Unit	<u>D</u>	Prepared Prepared	04/03/23 16:27 Analyzed 03/29/23 12:01 Analyzed	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over	<0.00399 el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U	0.00399 RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 03/27/23 16:21	04/03/23 16:27 Analyzed 03/29/23 12:01 Analyzed 03/28/23 15:47	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28)	<0.00399 el Range Organ Result <49.9 sel Range Orga Result <49.9	ics (DRO) (Qualifier U mics (DRO) Qualifier U U	0.00399 RL 49.9 (GC) RL 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg	<u>D</u>	Prepared Prepared 03/27/23 16:21	04/03/23 16:27 Analyzed 03/29/23 12:01 Analyzed 03/28/23 15:47	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36)	el Range Organ Result <49.9 Result <49.9 <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U	(GC) RL 49.9 (GC) RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 03/27/23 16:21 03/27/23 16:21	Analyzed 03/29/23 15:47 Analyzed 03/28/23 15:47	Dil Fac
Total BTEX Method: SW846 8015 NM - Diese Analyte Total TPH Method: SW846 8015B NM - Diese Analyte Gasoline Range Organics (GRO)-C6-C10 Diesel Range Organics (Over C10-C28) Oll Range Organics (Over C28-C36) Total TPH	<0.00399 el Range Organ Result <49.9 sel Range Orga Result <49.9 <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U	(GC) RL 49.9 (GC) RL 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 03/27/23 16:21 03/27/23 16:21 03/27/23 16:21	04/03/23 16:27 Analyzed 03/29/23 12:01 Analyzed 03/28/23 15:47 03/28/23 15:47	1 Dil Face 1 1 1 1 1 1 1
Total BTEX Method: SW846 8015 NM - Diese Analyte	<0.00399 el Range Organ Result <49.9 <49.9 <49.9 <49.9	ics (DRO) (Qualifier U nics (DRO) Qualifier U U U U	(GC) RL 49.9 (GC) RL 49.9 49.9 49.9 49.9 49.9	MDL	mg/Kg Unit mg/Kg Unit mg/Kg mg/Kg mg/Kg	<u>D</u>	Prepared Prepared 03/27/23 16:21 03/27/23 16:21 03/27/23 16:21	Analyzed 03/29/23 15:47 Analyzed 03/28/23 15:47 03/28/23 15:47 03/28/23 15:47	Dil Fac

Job ID: 880-26265-1

SDG: Eddy County, NM

Client Sample ID: SW-17 (0-6.5')

Project/Site: Red Hills Phase 2 and 3

Date Collected: 03/22/23 11:20 Date Received: 03/22/23 16:58

Client: Tetra Tech, Inc.

Lab Sample ID: 880-26265-9

Matrix: Solid

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble									
	Analyte	Result Qualific	er RL	MDL Un	nit C)	Prepared	Analyzed	Dil Fac
	Chloride	165	4.97	mg	g/Kg			03/31/23 11:27	1

Client Sample ID: SW-18 (0-6.5') Lab Sample ID: 880-26265-10 Date Collected: 03/22/23 11:30 Matrix: Solid

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		03/30/23 12:19	04/02/23 23:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	114		70 - 130				03/30/23 12:19	04/02/23 23:26	1
1,4-Difluorobenzene (Surr)	92		70 - 130				03/30/23 12:19	04/02/23 23:26	1

Method: TAL SOP Total BTEX - Total BTEX Calculation										
	Analyte	Result	Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac	
	Total BTEX	<0.00401	U	0.00401	mg/Kg			04/03/23 16:27	1	

Method: SW846 8015 NM - Diesel Ran	ige Organi	cs (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 16:18	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 16:18	1
Oll Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 16:18	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	03/27/23 16:21	03/28/23 16:18	1
o-Terphenyl	104		70 - 130	03/27/23 16:21	03/28/23 16:18	1

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	81.5	4.95	mg/Kg			03/31/23 11:32	1

Client Sample ID: SW-19 (0-6.5') Lab Sample ID: 880-26265-11 Date Collected: 03/22/23 11:40 **Matrix: Solid** Date Received: 03/22/23 16:58

Method: SW846 8021B - Volatile Organic Compounds (GC) Analyte Result Qualifier RL MDL Unit D Prepared Analyzed Dil										
	Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Benzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:10	1
	Toluene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:10	1

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-26265-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy County, NM

Client Sample ID: SW-19 (0-6.5')

Lab Sample ID: 880-26265-11

Date Collected: 03/22/23 11:40

Date Received: 03/22/23 16:58

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:10	
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/03/23 01:10	
o-Xylene	< 0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:10	
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/03/23 01:10	
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
4-Bromofluorobenzene (Surr)	104		70 - 130				03/30/23 12:19	04/03/23 01:10	
1,4-Difluorobenzene (Surr)	86		70 - 130				03/30/23 12:19	04/03/23 01:10	
Method: TAL SOP Total BTEX - 1	Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 16:27	
Method: SW846 8015 NM - Diese	el Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Total TPH	<49.9	U	49.9		mg/Kg			03/29/23 12:01	
Method: SW846 8015B NM - Dies	sel Range Orga	nics (DRO)	(GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 17:26	
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 17:26	
C10-C28) OII Range Organics (Over C28-C36)	<49.9		49.9		m = // =		03/27/23 16:21	03/28/23 17:26	
					mg/Kg				
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 17:26	
	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fa
Surrogate							03/27/23 16:21	03/28/23 17:26	
	102		70 - 130				03/21/23 10.21	00/20/20 11:20	
Surrogate 1-Chlorooctane o-Terphenyl			70 - 130 70 - 130				03/27/23 16:21	03/28/23 17:26	
	102 96	ohy - Solubl	70 - 130						
1-Chlorooctane o-Terphenyl	102 96 Chromatograp	ohy - Solubl Qualifier	70 - 130	MDL	Unit	D			Dil Fac

Client Sample ID: SW-20 (0-6.5')

Date Collected: 03/22/23 11:50

Lab Sample ID: 880-26265-12

Matrix: Solid

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
Toluene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		03/30/23 12:19	04/03/23 01:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	118		70 - 130				03/30/23 12:19	04/03/23 01:37	1
1,4-Difluorobenzene (Surr)	93		70 - 130				03/30/23 12:19	04/03/23 01:37	1

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Client Sample ID: SW-20 (0-6.5')

Date Collected: 03/22/23 11:50 Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-12

Matrix: Solid

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			04/03/23 16:27	1
Method: SW846 8015 NM - Diesel	Range Organ	ics (DRO) (GC)						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1
Method: SW846 8015B NM - Dies	el Range Orga	nics (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		03/27/23 16:21	03/28/23 17:47	1
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 17:47	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 17:47	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	100		70 - 130				03/27/23 16:21	03/28/23 17:47	1
o-Terphenyl	93		70 - 130				03/27/23 16:21	03/28/23 17:47	1
Method: EPA 300.0 - Anions, Ion	Chromatograp	hy - Solubl	e						
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	162		4.99		mg/Kg			03/31/23 11:50	

Client Sample ID: BTM-6 (6.5') Lab Sample ID: 880-26265-13

Date Collected: 03/22/23 12:00

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		03/30/23 12:19	04/03/23 02:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130				03/30/23 12:19	04/03/23 02:04	1
1,4-Difluorobenzene (Surr)	88		70 - 130				03/30/23 12:19	04/03/23 02:04	1
Method: TAL SOP Total BTEX	- Total BTEX Cald	culation							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			04/03/23 16:27	1
Method: SW846 8015 NM - Die	esel Range Organ	ics (DRO) (GC)						
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.0	U	50.0		mg/Kg			03/29/23 12:01	1

Eurofins Midland

Analyzed

03/28/23 18:08

RL

50.0

Result Qualifier

<50.0 U

MDL Unit

mg/Kg

Prepared

03/27/23 16:21

Dil Fac

Analyte

(GRO)-C6-C10

Gasoline Range Organics

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 Job ID: 880-26265-1

SDG: Eddy County, NM

Client Sample ID: BTM-6 (6.5')

Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-13 Date Collected: 03/22/23 12:00

Matrix: Solid

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 18:08	1
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 18:08	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 18:08	1
Surrogate	%Recovery	Qualifier	l imite				Prenared	Analyzed	Dil Fac

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	112		70 - 130	03/27/23 16:21	03/28/23 18:08	1
o-Terphenyl	103		70 - 130	03/27/23 16:21	03/28/23 18:08	1
<u> </u>						

Method: EPA 300.0 - Anions, Ion Cl	hromatography - Solub	le					
Analyte	Result Qualifier	RL	MDL Un	it D	Prepared	Analyzed	Dil Fac
Chloride	943	25.2	mg	/Kg		03/31/23 11:55	5

Client Sample ID: BTM-7 (6.5') Lab Sample ID: 880-26265-14 Date Collected: 03/22/23 12:10 Matrix: Solid

Date Received: 03/22/23 16:58

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00201	U	0.00201		mg/Kg		03/30/23 12:19	04/03/23 02:30	1
Toluene	<0.00201	U	0.00201		mg/Kg		03/30/23 12:19	04/03/23 02:30	1
Ethylbenzene	<0.00201	U	0.00201		mg/Kg		03/30/23 12:19	04/03/23 02:30	1
m-Xylene & p-Xylene	<0.00402	U	0.00402		mg/Kg		03/30/23 12:19	04/03/23 02:30	1
o-Xylene	<0.00201	U	0.00201		mg/Kg		03/30/23 12:19	04/03/23 02:30	1
Xylenes, Total	< 0.00402	U	0.00402		mg/Kg		03/30/23 12:19	04/03/23 02:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepare	∍d	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	116		70 - 130	03/30/23 1	2:19 0	04/03/23 02:30	1
1,4-Difluorobenzene (Surr)	87		70 - 130	03/30/23 1	2:19 0	04/03/23 02:30	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00402	U	0.00402	i	mg/Kg			04/03/23 16:27	1

Method: SW846 8015 NM - Diesel Ra	nge Organi	cs (DRO) (G	iC)						
Analyte	Result	Qualifier	RL	MDL U	nit	D	Prepared	Analyzed	Dil Fac
Total TPH	<40.0	П	//0 0		a/Ka			03/20/23 12:01	

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 18:28	1
(GRO)-C6-C10									
Diesel Range Organics (Over	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 18:28	1
C10-C28)									
OII Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 18:28	1
Total TPH	<49.9	U	49.9		mg/Kg		03/27/23 16:21	03/28/23 18:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	107		70 - 130	03/27/23 16:21	03/28/23 18:28	1
o-Terphenyl	96		70 - 130	03/27/23 16:21	03/28/23 18:28	1

Client Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-26265-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy County, NM

Client Sample ID: BTM-7 (6.5')

Lab Sample ID: 880-26265-14

Date Collected: 03/22/23 12:10
Date Received: 03/22/23 16:58
Matrix: Solid

Method: EPA 300.0 - Anions, Ion C	hromatography - Soluble						
Analyte	Result Qualifier	RL	MDL Unit	D	Prepared	Analyzed	Dil Fac
Chloride	60.9	4.98	mg/Kg			03/31/23 12:36	1

5

O

40

11

13

14

Surrogate Summary

Client: Tetra Tech, Inc. Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid Prep Type: Total/NA

		BFB1	DFBZ1	Percent Surrogate Recovery (Acceptance Limits)
	011 / 0 / 1 / 1			
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	
880-26265-1	SW-3-2 (0-6.5')	102	90	
880-26265-1 MS	SW-3-2 (0-6.5')	93	85	
880-26265-1 MSD	SW-3-2 (0-6.5')	97	101	
880-26265-2	SW-4-2 (0-6.5')	117	87	
880-26265-3	SW-6-2 (0-6.5')	110	95	
880-26265-4	SW-7-2 (0-6.5')	109	96	
880-26265-5	SW-9-2 (0-6.5')	115	97	
380-26265-6	SW-11-2 (0-6.5')	105	92	
880-26265-7	SW-13-2 (0-6.5')	113	94	
380-26265-8	SW-14-2 (0-6.5')	112	83	
880-26265-9	SW-17 (0-6.5')	109	92	
380-26265-10	SW-18 (0-6.5')	114	92	
380-26265-11	SW-19 (0-6.5')	104	86	
380-26265-12	SW-20 (0-6.5')	118	93	
380-26265-13	BTM-6 (6.5')	121	88	
380-26265-14	BTM-7 (6.5')	116	87	
_CS 880-49931/1-A	Lab Control Sample	108	106	
_CSD 880-49931/2-A	Lab Control Sample Dup	109	104	
MB 880-49794/5-A	Method Blank	66 S1-	86	
MB 880-49931/5-A	Method Blank	68 S1-	85	

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 (Acc
		1CO1	OTPH1	
Lab Sample ID Clie	ent Sample ID	(70-130)	(70-130)	
880-26265-1 SW	'-3-2 (0-6.5')	103	96	
880-26265-1 MS SW	'-3-2 (0-6.5')	95	77	
880-26265-1 MSD SW	'-3-2 (0-6.5')	94	77	
880-26265-2 SW	'-4-2 (0-6.5')	107	99	
880-26265-3 SW	'-6-2 (0-6.5')	97	90	
880-26265-4 SW	'-7-2 (0-6.5')	96	89	
880-26265-5 SW	'-9-2 (0-6.5')	115	109	
880-26265-6 SW	'-11-2 (0-6.5')	111	103	
880-26265-7 SW	'-13-2 (0-6.5')	106	99	
880-26265-8 SW	'-14-2 (0-6.5')	107	100	
880-26265-9 SW	'-17 (0-6.5')	112	102	
880-26265-10 SW	'-18 (0-6.5')	109	104	
880-26265-11 SW	'-19 (0-6.5')	102	96	
880-26265-12 SW	'-20 (0-6.5')	100	93	
880-26265-13 BTf	M-6 (6.5')	112	103	
880-26265-14 BTI	M-7 (6.5')	107	96	
LCS 880-49659/2-A Lab	Control Sample	99	88	
LCSD 880-49659/3-A Lab	Control Sample Dup	87	78	
MB 880-49659/1-A Mei	thod Blank	109	105	

Surrogate Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Surrogate Legend

1CO = 1-Chlorooctane OTPH = o-Terphenyl

Job ID: 880-26265-1 SDG: Eddy County, NM

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 Job ID: 880-26265-1

SDG: Eddy County, NM

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-49794/5-A

Lab Sample ID: MB 880-49931/5-A

Matrix: Solid

Matrix: Solid

Analysis Batch: 49998

Analysis Batch: 49998

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49794

	MB	MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		03/29/23 09:13	04/02/23 05:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		03/29/23 09:13	04/02/23 05:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/29/23 09:13	04/02/23 05:12	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/29/23 09:13	04/02/23 05:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/29/23 09:13	04/02/23 05:12	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		03/29/23 09:13	04/02/23 05:12	1

MB MB

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	66	S1-	70 - 130
1,4-Difluorobenzene (Surr)	86		70 - 130

Analyzed 03/29/23 09:13 04/02/23 05:12 03/29/23 09:13 04/02/23 05:12

Prepared

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 49931

	INID	IVID							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa
Benzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:01	
Toluene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:01	
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:01	
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		03/30/23 12:19	04/02/23 19:01	
o-Xylene	<0.00200	U	0.00200		mg/Kg		03/30/23 12:19	04/02/23 19:01	
Xylenes, Total	< 0.00400	U	0.00400		mg/Kg		03/30/23 12:19	04/02/23 19:01	

MB MB

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	68	S1-	70 - 130	03/30/23 12:19	04/02/23 19:01	1
1,4-Difluorobenzene (Surr)	85		70 - 130	03/30/23 12:19	04/02/23 19:01	1

Lab Sample ID: LCS 880-49931/1-A

Matrix: Solid

Analysis Batch: 49998

Client Sample ID: Lab Control Sample

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 49931

	Spike	LCS	LCS				%Rec	
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	0.100	0.1292		mg/Kg		129	70 - 130	
Toluene	0.100	0.1097		mg/Kg		110	70 - 130	
Ethylbenzene	0.100	0.1101		mg/Kg		110	70 - 130	
m-Xylene & p-Xylene	0.200	0.2217		mg/Kg		111	70 - 130	
o-Xylene	0.100	0.1146		mg/Kg		115	70 - 130	

LCS LCS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	108	70 - 130
1.4-Difluorobenzene (Surr)	106	70 - 130

Lab Sample ID: LCSD 880-49931/2-A

Matrix: Solid	Matrix: Solid											
Analysis Batch: 49998							Prep Batch: 49					
	Spike	LCSD	LCSD				%Rec		RPD			
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit			
Benzene	0.100	0.1277		mg/Kg		128	70 - 130	1	35			

Eurofins Midland

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Dil Fac

QC Sample Results

Client: Tetra Tech, Inc. Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

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

Lab Sample ID: LCSD 880-49931/2-A

Matrix: Solid Analysis Batch: 49998 **Client Sample ID: Lab Control Sample Dup**

Prep Type: Total/NA Prep Batch: 49931

Spike	LCSD	LCSD				%Rec		RPD
Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
0.100	0.1131		mg/Kg		113	70 - 130	3	35
0.100	0.1140		mg/Kg		114	70 - 130	3	35
0.200	0.2302		mg/Kg		115	70 - 130	4	35
0.100	0.1231		mg/Kg		123	70 - 130	7	35
	Added 0.100 0.100 0.200	Added Result 0.100 0.1131 0.100 0.1140 0.200 0.2302	Added Result Qualifier 0.100 0.1131 0.100 0.1140 0.200 0.2302	Added Result Qualifier Unit 0.100 0.1131 mg/Kg 0.100 0.1140 mg/Kg 0.200 0.2302 mg/Kg	Added Result Qualifier Unit D 0.100 0.1131 mg/Kg 0.100 0.1140 mg/Kg 0.200 0.2302 mg/Kg	Added Result 0.100 Qualifier 0.100 Unit mg/Kg D %Rec 0.100 0.1131 mg/Kg 113 0.100 0.1140 mg/Kg 114 0.200 0.2302 mg/Kg 115	Added Result Qualifier Unit D %Rec Limits 0.100 0.1131 mg/Kg 113 70 - 130 0.100 0.1140 mg/Kg 114 70 - 130 0.200 0.2302 mg/Kg 115 70 - 130	Added Result Qualifier Unit D %Rec Limits RPD 0.100 0.1131 mg/Kg 113 70 - 130 3 0.100 0.1140 mg/Kg 114 70 - 130 3 0.200 0.2302 mg/Kg 115 70 - 130 4

LCSD LCSD

Surrogate	%Recovery	Qualifier	Limits
4-Bromofluorobenzene (Surr)	109		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 880-26265-1 MS Client Sample ID: SW-3-2 (0-6.5')

Matrix: Solid

Analysis Batch: 49998

Prep Type: Total/NA

Prep Batch: 49931

	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Benzene	<0.00200	U	0.0998	0.08374		mg/Kg		84	70 - 130	
Toluene	<0.00200	U	0.0998	0.07839		mg/Kg		79	70 - 130	
Ethylbenzene	<0.00200	U	0.0998	0.07736		mg/Kg		78	70 - 130	
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1550		mg/Kg		78	70 - 130	
o-Xylene	<0.00200	U	0.0998	0.08008		mg/Kg		80	70 - 130	

MS MS

Surrogate	%Recovery Qualifier	Limits
4-Bromofluorobenzene (Surr)	93	70 - 130
1,4-Difluorobenzene (Surr)	85	70 - 130

Lab Sample ID: 880-26265-1 MSD Client Sample ID: SW-3-2 (0-6.5')

Matrix: Solid

Analysis Batch: 49998

Prep Type: Total/NA Prep Batch: 49931

		Sample	Sample	Spike	MSD	MSD				%Rec		RPD
	Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
	Benzene	<0.00200	U	0.0990	0.1009		mg/Kg		102	70 - 130	19	35
	Toluene	<0.00200	U	0.0990	0.07947		mg/Kg		80	70 - 130	1	35
	Ethylbenzene	<0.00200	U	0.0990	0.08012		mg/Kg		81	70 - 130	4	35
	m-Xylene & p-Xylene	<0.00401	U	0.198	0.1622		mg/Kg		82	70 - 130	5	35
	o-Xylene	<0.00200	U	0.0990	0.08302		mg/Kg		84	70 - 130	4	35
ı												

MSD MSD

мв мв Result Qualifier

<50.0 U

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

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

Lab Sample ID: MB 880-49659/1-A

Matrix: Solid

Analysis Batch: 49696

Gasoline Range Organics

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

Prepared

03/27/23 16:21

Prep Batch: 49659

03/28/23 09:44

(GRO)-C6-C10

Eurofins Midland

50.0

MDL Unit

mg/Kg

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

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

MB MB

109

105

Qualifier

%Recovery

Lab Sample ID: MB 880-49659/1-A

Lab Sample ID: LCS 880-49659/2-A

Matrix: Solid

Surrogate

o-Terphenyl

1-Chlorooctane

Matrix: Solid

Analysis Batch: 49696

Analysis Batch: 49696

Client Sample ID: Method Blank

Analyzed

03/28/23 09:44

03/28/23 09:44

Prep Type: Total/NA

Prep Batch: 49659

	MB	B MB							
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (Over	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 09:44	1
C10-C28)									
Oll Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 09:44	1
Total TPH	<50.0	U	50.0		mg/Kg		03/27/23 16:21	03/28/23 09:44	1

Limits

70 - 130

70 - 130

Dil Fac

Client Sample ID: Lab Control Sample

Prepared

03/27/23 16:21

03/27/23 16:21

Prep Type: Total/NA Prep Batch: 49659

LCS LCS Spike %Rec Result Qualifier Analyte Added Unit D %Rec Limits Gasoline Range Organics 1000 963.9 96 70 - 130 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 956.4 mg/Kg 96 70 - 130 C10-C28)

LCS LCS Surrogate %Recovery Qualifier Limits 1-Chlorooctane 99 70 - 130 o-Terphenyl 88 70 - 130

Client Sample ID: Lab Control Sample Dup

Lab Sample ID: LCSD 880-49659/3-A **Matrix: Solid**

Lab Sample ID: 880-26265-1 MS

Matrix: Solid

Analysis Batch: 49696

Prep Type: Total/NA

Spike LCSD LCSD %Rec RPD Added Result Qualifier %Rec Limit Analyte Unit Limits 1000 810.8 81 20 Gasoline Range Organics 70 - 130 17 mg/Kg (GRO)-C6-C10 Diesel Range Organics (Over 1000 842.5 84 70 - 130 13 20 mg/Kg C10-C28)

Prep Batch: 49659

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	87		70 - 130
o-Terphenyl	78		70 - 130

Client Sample ID: SW-3-2 (0-6.5')

Prep Type: Total/NA Pren Batch: 49659

Analysis Batch: 49696									Prep l	Batch: 49659
	Sample	Sample	Spike	MS	MS				%Rec	
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	998	1041		mg/Kg		101	70 - 130	
Diesel Range Organics (Over C10-C28)	<49.9	U	998	767.5		mg/Kg		75	70 - 130	
	MS	MS								
Surrogate	%Recovery	Qualifier	Limits							
1-Chlorooctane	95		70 - 130							

Job ID: 880-26265-1 Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

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

MS MS

Lab Sample ID: 880-26265-1 MS **Matrix: Solid**

Analysis Batch: 49696

Client Sample ID: SW-3-2 (0-6.5')

Prep Type: Total/NA

Prep Batch: 49659

Surrogate %Recovery Qualifier

Limits o-Terphenyl 77 70 - 130

Lab Sample ID: 880-26265-1 MSD Client Sample ID: SW-3-2 (0-6.5')

Matrix: Solid

Analysis Batch: 49696

Client Sample ID: Lab Control Sample Dup

Client Sample ID: SW-3-2 (0-6.5')

Prep Type: Total/NA

Prep Batch: 49659

MSD MSD RPD Sample Sample Spike %Rec Analyte Result Qualifier Added Result Qualifier Unit D %Rec Limits RPD Limit Gasoline Range Organics <49.9 U 999 1046 mg/Kg 102 70 - 130 0 20 (GRO)-C6-C10 Diesel Range Organics (Over <49.9 U 999 754.3 mg/Kg 74 70 - 130 2 20 C10-C28)

MSD MSD

%Recovery Qualifier Limits Surrogate 1-Chlorooctane 70 - 130 94

77 70 - 130 o-Terphenyl

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-50002/1-A Client Sample ID: Method Blank **Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 50028

MB MB

Analyte Result Qualifier RL MDL Unit Prepared Analyzed Dil Fac Chloride <5.00 U 5.00 03/31/23 10:19 mg/Kg

Lab Sample ID: LCS 880-50002/2-A **Client Sample ID: Lab Control Sample Prep Type: Soluble**

Matrix: Solid

Analysis Batch: 50028

LCS LCS Spike %Rec Analyte Added Qualifier Result Unit %Rec Limits Chloride 250 228.3 90 - 110 mg/Kg

Lab Sample ID: LCSD 880-50002/3-A

Matrix: Solid

Analysis Batch: 50028

Spike LCSD LCSD %Rec RPD Analyte Added Result Qualifier Unit RPD Limit %Rec Limits Chloride 250 92 20 229.1 90 - 110 mg/Kg

Lab Sample ID: 880-26265-1 MS

Matrix: Solid

Analysis Batch: 50028

Sample Sample Spike MS MS %Rec Analyte Result Qualifier Added Result Qualifier %Rec Limits Unit Chloride 209 252 436.3 mg/Kg 90 90 _ 110

Eurofins Midland

Prep Type: Soluble

Prep Type: Soluble

QC Sample Results

Client: Tetra Tech, Inc.

Job ID: 880-26265-1

Project/Site: Red Hills Phase 2 and 3

SDG: Eddy County, NM

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 880-26265-1 MSD

Matrix: Solid

Client Sample ID: SW-3-2 (0-6.5')

Prep Type: Soluble

Analysis Batch: 50028

	Sample	Sample	Spike	MSD	MSD				%Rec		RPD
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chloride	209		252	438.0		mg/Kg		91	90 - 110	0	20

Lab Sample ID: 880-26265-11 MS

Client Sample ID: SW-19 (0-6.5')

Matrix: Solid Prep Type: Soluble

Analysis Batch: 50028

Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec Chloride 156 248 387.1 mg/Kg 93 90 - 110

Lab Sample ID: 880-26265-11 MSD Client Sample ID: SW-19 (0-6.5')

Matrix: Solid Prep Type: Soluble

atrix: Solid Prep Type: Soluble

Analysis Batch: 50028

MSD MSD %Rec RPD Sample Sample Spike Result Qualifier Limit Analyte Added Result Qualifier Unit Limits **RPD** Chloride 156 248 387.8 90 - 110 mg/Kg

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

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GC VOA

Prep Batch: 49794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 880-49794/5-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 49931

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	5035	
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	5035	
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	5035	
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	5035	
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	5035	
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	5035	
MB 880-49931/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-49931/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-49931/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
880-26265-1 MS	SW-3-2 (0-6.5')	Total/NA	Solid	5035	
880-26265-1 MSD	SW-3-2 (0-6.5')	Total/NA	Solid	5035	

Analysis Batch: 49998

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	8021B	4993
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	8021B	4993
MB 880-49794/5-A	Method Blank	Total/NA	Solid	8021B	49794
MB 880-49931/5-A	Method Blank	Total/NA	Solid	8021B	4993
LCS 880-49931/1-A	Lab Control Sample	Total/NA	Solid	8021B	4993
LCSD 880-49931/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	4993
880-26265-1 MS	SW-3-2 (0-6.5')	Total/NA	Solid	8021B	4993
880-26265-1 MSD	SW-3-2 (0-6.5')	Total/NA	Solid	8021B	4993

Analysis Batch: 50254

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	Total BTEX	

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

GC VOA (Continued)

Analysis Batch: 50254 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	Total BTEX	
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	Total BTEX	
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 49659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	8015NM Prep	
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	8015NM Prep	
MB 880-49659/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-49659/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-49659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-26265-1 MS	SW-3-2 (0-6.5')	Total/NA	Solid	8015NM Prep	
880-26265-1 MSD	SW-3-2 (0-6.5')	Total/NA	Solid	8015NM Prep	

Analysis Batch: 49696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	8015B NM	49659

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Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

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GC Semi VOA (Continued)

Analysis Batch: 49696 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	8015B NM	49659
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	8015B NM	49659
MB 880-49659/1-A	Method Blank	Total/NA	Solid	8015B NM	49659
LCS 880-49659/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	49659
LCSD 880-49659/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	49659
880-26265-1 MS	SW-3-2 (0-6.5')	Total/NA	Solid	8015B NM	49659
880-26265-1 MSD	SW-3-2 (0-6.5')	Total/NA	Solid	8015B NM	49659

Analysis Batch: 49826

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batcl
880-26265-1	SW-3-2 (0-6.5')	Total/NA	Solid	8015 NM	_
880-26265-2	SW-4-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-3	SW-6-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-4	SW-7-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-5	SW-9-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-6	SW-11-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-7	SW-13-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-8	SW-14-2 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-9	SW-17 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-10	SW-18 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-11	SW-19 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-12	SW-20 (0-6.5')	Total/NA	Solid	8015 NM	
880-26265-13	BTM-6 (6.5')	Total/NA	Solid	8015 NM	
880-26265-14	BTM-7 (6.5')	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 50002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batc
880-26265-1	SW-3-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-2	SW-4-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-3	SW-6-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-4	SW-7-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-5	SW-9-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-6	SW-11-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-7	SW-13-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-8	SW-14-2 (0-6.5')	Soluble	Solid	DI Leach	
380-26265-9	SW-17 (0-6.5')	Soluble	Solid	DI Leach	
380-26265-10	SW-18 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-11	SW-19 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-12	SW-20 (0-6.5')	Soluble	Solid	DI Leach	
380-26265-13	BTM-6 (6.5')	Soluble	Solid	DI Leach	
380-26265-14	BTM-7 (6.5')	Soluble	Solid	DI Leach	
MB 880-50002/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-50002/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
_CSD 880-50002/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
380-26265-1 MS	SW-3-2 (0-6.5')	Soluble	Solid	DI Leach	
380-26265-1 MSD	SW-3-2 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-11 MS	SW-19 (0-6.5')	Soluble	Solid	DI Leach	
880-26265-11 MSD	SW-19 (0-6.5')	Soluble	Solid	DI Leach	

Client: Tetra Tech, Inc.

Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

HPLC/IC

Analysis Batch: 50028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
880-26265-1	SW-3-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-2	SW-4-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-3	SW-6-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-4	SW-7-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-5	SW-9-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-6	SW-11-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-7	SW-13-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-8	SW-14-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-9	SW-17 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-10	SW-18 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-11	SW-19 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-12	SW-20 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-13	BTM-6 (6.5')	Soluble	Solid	300.0	50002
880-26265-14	BTM-7 (6.5')	Soluble	Solid	300.0	50002
MB 880-50002/1-A	Method Blank	Soluble	Solid	300.0	50002
LCS 880-50002/2-A	Lab Control Sample	Soluble	Solid	300.0	50002
LCSD 880-50002/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	50002
880-26265-1 MS	SW-3-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-1 MSD	SW-3-2 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-11 MS	SW-19 (0-6.5')	Soluble	Solid	300.0	50002
880-26265-11 MSD	SW-19 (0-6.5')	Soluble	Solid	300.0	50002

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

SDG: Eddy County, NM

Client Sample ID: SW-3-2 (0-6.5')

Date Collected: 03/22/23 10:00 Date Received: 03/22/23 16:58 Lab Sample ID: 880-26265-1

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 19:28	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 12:13	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 10:33	SMC	EET MID

Client Sample ID: SW-4-2 (0-6.5')

Lab Sample ID: 880-26265-2

Date Collected: 03/22/23 10:10 Date Received: 03/22/23 16:58 Matrix: Solid

Matrix: Solid

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 19:54	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 13:18	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 10:46	SMC	EET MID

Client Sample ID: SW-6-2 (0-6.5')

Lab Sample ID: 880-26265-3

Date Collected: 03/22/23 10:20 Date Received: 03/22/23 16:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 20:20	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 13:40	SM	EET MID
Soluble	Leach	DI Leach			5.01 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 10:51	SMC	EET MID

Client Sample ID: SW-7-2 (0-6.5')

Lab Sample ID: 880-26265-4

Date Collected: 03/22/23 10:30 Date Received: 03/22/23 16:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.96 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 20:47	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID

Eurofins Midland

Matrix: Solid

Project/Site: Red Hills Phase 2 and 3

Lab Sample ID: 880-26265-4

Client Sample ID: SW-7-2 (0-6.5')

Date Collected: 03/22/23 10:30 Date Received: 03/22/23 16:58

Matrix: Solid

Matrix: Solid

Matrix: Solid

Job ID: 880-26265-1

SDG: Eddy County, NM

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 14:01	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50028	03/31/23 10:55	SMC	EET MID

Client Sample ID: SW-9-2 (0-6.5') Lab Sample ID: 880-26265-5

Date Collected: 03/22/23 10:40 Date Received: 03/22/23 16:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 21:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 14:22	SM	EET MID
Soluble	Leach	DI Leach			5 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50028	03/31/23 11:00	SMC	EET MID

Client Sample ID: SW-11-2 (0-6.5') Lab Sample ID: 880-26265-6

Date Collected: 03/22/23 10:50 Date Received: 03/22/23 16:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 21:39	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 14:43	SM	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:14	SMC	EET MID

Client Sample ID: SW-13-2 (0-6.5')

Date Collected: 03/22/23 11:00 **Matrix: Solid**

Date Received: 03/22/23 16:58

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 22:06	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA Total/NA	Prep Analysis	8015NM Prep 8015B NM		1	10.01 g 1 uL	10 mL 1 uL	49659 49696	03/27/23 16:21 03/28/23 15:05	AJ SM	EET MID EET MID

Eurofins Midland

Lab Sample ID: 880-26265-7

Released to Imaging: 9/21/2023 11:14:25 AM

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Client Sample ID: SW-13-2 (0-6.5')

Date Collected: 03/22/23 11:00 Date Received: 03/22/23 16:58 Lab Sample ID: 880-26265-7

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			4.98 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:18	SMC	EET MID

Client Sample ID: SW-14-2 (0-6.5') Lab Sample ID: 880-26265-8

Date Collected: 03/22/23 11:10 Date Received: 03/22/23 16:58

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 22:33	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 15:26	SM	EET MID
Soluble	Leach	DI Leach			4.95 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:23	SMC	EET MID

Client Sample ID: SW-17 (0-6.5')

Date Collected: 03/22/23 11:20

Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-9

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 23:00	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 15:47	SM	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:27	SMC	EET MID

Client Sample ID: SW-18 (0-6.5')

Date Collected: 03/22/23 11:30

Date Received: 03/22/23 16:58

Lab Sample	ID:	880-2	620	65-	10

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/02/23 23:26	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 16:18	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:32	SMC	EET MID

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1 SDG: Eddy County, NM

Client Sample ID: SW-19 (0-6.5')

Date Collected: 03/22/23 11:40 Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-11

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/03/23 01:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 17:26	SM	EET MID
Soluble	Leach	DI Leach			5.05 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 11:37	SMC	EET MID

Client Sample ID: SW-20 (0-6.5') Lab Sample ID: 880-26265-12

Date Collected: 03/22/23 11:50

Date Received: 03/22/23 16:58

Matrix: Solid

Batch Batch Dil Initial Final Batch Prepared Prep Type Туре Method Run Factor Amount Amount Number or Analyzed Analyst Lab 5035 Total/NA Prep 5.03 g 5 mL 49931 03/30/23 12:19 MNR EET MID Total/NA 8021B 5 mL 49998 04/03/23 01:37 **EET MID** Analysis 1 5 mL MNR Total/NA Total BTEX 50254 04/03/23 16:27 SM Analysis **EET MID** 1 Total/NA Analysis 8015 NM 49826 03/29/23 12:01 SM **EET MID** Total/NA 49659 Prep 8015NM Prep 10.01 g 10 mL 03/27/23 16:21 A.I **EET MID** Total/NA Analysis 8015B NM 1 uL 1 uL 49696 03/28/23 17:47 SM **EET MID** 5.01 g Soluble Leach DI Leach 50 mL 50002 03/31/23 08:54 KS EET MID Soluble Analysis 300.0 50 mL 50 mL 50028 03/31/23 11:50 SMC **EET MID**

Client Sample ID: BTM-6 (6.5')

Date Collected: 03/22/23 12:00

Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-13

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/03/23 02:04	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.01 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 18:08	SM	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		5	50 mL	50 mL	50028	03/31/23 11:55	SMC	EET MID

Client Sample ID: BTM-7 (6.5')

Date Collected: 03/22/23 12:10

Date Received: 03/22/23 16:58

Lab Sample ID: 880-26265-14

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.97 g	5 mL	49931	03/30/23 12:19	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	49998	04/03/23 02:30	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			50254	04/03/23 16:27	SM	EET MID

Lab Chronicle

Client: Tetra Tech, Inc. Job ID: 880-26265-1 Project/Site: Red Hills Phase 2 and 3 SDG: Eddy County, NM

Client Sample ID: BTM-7 (6.5')

Lab Sample ID: 880-26265-14 Date Collected: 03/22/23 12:10 Date Received: 03/22/23 16:58

Matrix: Solid

	Batch	Batch		Dil	Initial	Final	Batch	Prepared		
Prep Type	Туре	Method	Run	Factor	Amount	Amount	Number	or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			49826	03/29/23 12:01	SM	EET MID
Total/NA	Prep	8015NM Prep			10.02 g	10 mL	49659	03/27/23 16:21	AJ	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	49696	03/28/23 18:28	SM	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	50002	03/31/23 08:54	KS	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	50028	03/31/23 12:36	SMC	EET MID

Laboratory References:

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

Accreditation/Certification Summary

Client: Tetra Tech, Inc. Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy 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	T104704400-22-25	06-30-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte	
8015 NM		Solid	Total TPH	
8015B NM	8015NM Prep	Solid	Total TPH	
Total BTEX		Solid	Total BTEX	

Method Summary

Client: Tetra Tech, Inc.

Project/Site: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

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T MID	
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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: Red Hills Phase 2 and 3

Job ID: 880-26265-1

SDG: Eddy County, NM

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
880-26265-1	SW-3-2 (0-6.5')	Solid	03/22/23 10:00	03/22/23 16:58
880-26265-2	SW-4-2 (0-6.5')	Solid	03/22/23 10:10	03/22/23 16:58
380-26265-3	SW-6-2 (0-6.5')	Solid	03/22/23 10:20	03/22/23 16:58
380-26265-4	SW-7-2 (0-6.5')	Solid	03/22/23 10:30	03/22/23 16:58
80-26265-5	SW-9-2 (0-6.5')	Solid	03/22/23 10:40	03/22/23 16:58
80-26265-6	SW-11-2 (0-6.5')	Solid	03/22/23 10:50	03/22/23 16:58
80-26265-7	SW-13-2 (0-6.5')	Solid	03/22/23 11:00	03/22/23 16:58
30-26265-8	SW-14-2 (0-6.5')	Solid	03/22/23 11:10	03/22/23 16:58
0-26265-9	SW-17 (0-6.5')	Solid	03/22/23 11:20	03/22/23 16:58
0-26265-10	SW-18 (0-6.5')	Solid	03/22/23 11:30	03/22/23 16:58
80-26265-11	SW-19 (0-6.5')	Solid	03/22/23 11:40	03/22/23 16:58
30-26265-12	SW-20 (0-6.5')	Solid	03/22/23 11:50	03/22/23 16:58
80-26265-13	BTM-6 (6.5')	Solid	03/22/23 12:00	03/22/23 16:58
80-26265-14	BTM-7 (6.5')	Solid	03/22/23 12:10	03/22/23 16:58

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Released to Imaging: 9/21/2023 11:14:25 AM

ORIGINAL COPY

		Relinguished by	Relinquished by	Gabriel Hueston	Relinquished by:										(LAB USE)	LAB#			Receiving Laboratory	Invoice to	Project Location (county, state)	Project Name	Client Name	a	
			·	Huch	- OVV-10 (0-0 3)	SW-17 (0-6 5')	SW-14-2 (0-6 5')	SW-13-2 (0-6 5')	SW-11-2 (0-65')	SW-9-2 (0-6 5')	SW-7-2 (0-6 5')	SW-6-2 (0-6 5')	SW-4-2 (0-6 5')	SW-3-2 (0-6 5')		SAN		Email john faught1@tetratech com, clair gonzales@tetratech com	Eurofins	Tetra Tech, Inc.	Eddy County, NM	Red Hills Phase 2	Western	Te	
		Date Time	Date Time	ũ	Date Time											SAMPLE IDENTIFICATION		etratech com, claır go		h, Inc.	nty, NM	Phase 2 and 3	Western Midstream	Tetra Tech, Inc.	
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Hold Page 39 of 41

Released to Imaging: 9/21/2023 11:14:25 AM

Login Sample Receipt Checklist

Client: Tetra Tech, Inc.

Job Number: 880-26265-1

SDG Number: Eddy County, NM

List Source: Eurofins Midland

Login Number: 26265 List Number: 1 Creator: Teel, Brianna

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

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April 21, 2023

JOHN FAUGHT
TETRA TECH
901 WEST WALL STREET , STE 100
MIDLAND, TX 79701

RE: RED HILLS PHASE 2 AND 3

Enclosed are the results of analyses for samples received by the laboratory on 04/19/23 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2 Haloacetic Acids (HAA-5)
Method EPA 524.2 Total Trihalomethanes (TTHM)
Method EPA 524.4 Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TETRA TECH JOHN FAUGHT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/19/2023 Sampling Date: 04/19/2023

Reported: 04/21/2023 Sampling Type: Soil

** (See Notes) Project Name: RED HILLS PHASE 2 AND 3 Sampling Condition: Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SW - 7-3 (0-7') (H231899-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	04/19/2023	ND	1.92	96.0	2.00	15.2	
Toluene*	<0.050	0.050	04/19/2023	ND	1.99	99.7	2.00	14.4	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.07	103	2.00	15.6	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.32	105	6.00	14.9	
Total BTEX	<0.275	0.275	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/20/2023	ND	400	100	400	7.69	
TPH TX1005	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C12	<25.0	25.0	04/20/2023	ND	171	85.6	200	0.236	
DRO >C12-C28	<25.0	25.0	04/20/2023	ND	164	81.8	200	1.56	
DRO >C28-C35	<25.0	25.0	04/20/2023	ND					
Total TPH C6-C35*	<25.0	25.0	04/20/2023	ND	335	83.7	400	0.648	
Surrogate: 1-Chlorooctane	95.9	% 44.9-13	4						
Surrogate: 1-Chlorooctadecane	92.3	% 41.4-16	1						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

TETRA TECH JOHN FAUGHT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/19/2023 Sampling Date: 04/19/2023

Reported: 04/21/2023 Sampling Type: Soil

Project Name: RED HILLS PHASE 2 AND 3 Sampling Condition: ** (See Notes)

Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: WESTERN - EDDY CO NM

mg/kg

Sample ID: SW - 9-3 (0-7') (H231899-02)

BTEX 8021B

DIEX GOZID	1119/	K9	Allulyzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	04/19/2023	ND	1.92	96.0	2.00	15.2	
Toluene*	<0.050	0.050	04/19/2023	ND	1.99	99.7	2.00	14.4	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.07	103	2.00	15.6	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.32	105	6.00	14.9	
Total BTEX	<0.275	0.275	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/20/2023	ND	400	100	400	7.69	
TPH TX1005	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C12	<25.0	25.0	04/20/2023	ND	171	85.6	200	0.236	
DRO >C12-C28	<25.0	25.0	04/20/2023	ND	164	81.8	200	1.56	
DRO >C28-C35	<25.0	25.0	04/20/2023	ND					
Total TPH C6-C35*	<25.0	25.0	04/20/2023	ND	335	83.7	400	0.648	
Surrogate: 1-Chlorooctane	88.7	% 44.9-13	4						
Surrogate: 1-Chlorooctadecane	85.1	% 41.4-16	1						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

TETRA TECH JOHN FAUGHT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/19/2023 Sampling Date: 04/19/2023

Reported: 04/21/2023 Sampling Type: Soil

Project Name: RED HILLS PHASE 2 AND 3 Sampling Condition: ** (See Notes)

Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: SW - 14-3 (0-6.5') (H231899-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	04/19/2023	ND	1.92	96.0	2.00	15.2	
Toluene*	< 0.050	0.050	04/19/2023	ND	1.99	99.7	2.00	14.4	
Ethylbenzene*	< 0.050	0.050	04/19/2023	ND	2.07	103	2.00	15.6	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.32	105	6.00	14.9	
Total BTEX	<0.275	0.275	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/20/2023	ND	400	100	400	7.69	
TPH TX1005	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C12	<25.0	25.0	04/20/2023	ND	171	85.6	200	0.236	
DRO >C12-C28	<25.0	25.0	04/20/2023	ND	164	81.8	200	1.56	
DRO >C28-C35	<25.0	25.0	04/20/2023	ND					
Total TPH C6-C35*	<25.0	25.0	04/20/2023	ND	335	83.7	400	0.648	
Surrogate: 1-Chlorooctane	86.75	% 44.9-13	4						
Surrogate: 1-Chlorooctadecane	80.0	% 41.4-16	1						

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Celey D. Keine



Analytical Results For:

TETRA TECH JOHN FAUGHT

901 WEST WALL STREET, STE 100

MIDLAND TX, 79701

Fax To: (432) 682-3946

Received: 04/19/2023 Sampling Date: 04/19/2023

Reported: 04/21/2023 Sampling Type: Soil

Project Name: RED HILLS PHASE 2 AND 3 Sampling Condition: ** (See Notes)
Project Number: 212C-MD-02853 Sample Received By: Tamara Oldaker

Project Location: WESTERN - EDDY CO NM

Sample ID: BTM - 6 (7') (H231899-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	04/19/2023	ND	1.92	96.0	2.00	15.2	
Toluene*	<0.050	0.050	04/19/2023	ND	1.99	99.7	2.00	14.4	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.07	103	2.00	15.6	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.32	105	6.00	14.9	
Total BTEX	<0.275	0.275	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/20/2023	ND	400	100	400	7.69	
TPH TX1005	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C12	<25.0	25.0	04/20/2023	ND	171	85.6	200	0.236	
DRO >C12-C28	<25.0	25.0	04/20/2023	ND	164	81.8	200	1.56	
DRO >C28-C35	<25.0	25.0	04/20/2023	ND					
Total TPH C6-C35*	<25.0	25.0	04/20/2023	ND	335	83.7	400	0.648	
Surrogate: 1-Chlorooctane	88.6	% 44.9-13	4						
Surrogate: 1-Chlorooctadecane	86.1	% 41.4-16	1						

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Celey D. Keene



Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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Celeg D. Freene

OCD: 574/2023 Relinquished by:		4	(CS	2		LAB USE ONLY	423189	Comments:	Receiving Laboratory:	invoice to:	Project Location: (county, state)	Project Name:	Chem Maine.	Page
y: Date: Time: Value		BTM-6 (7')	SW-14-3 (0-6.5')	SW-9-3 (0-7')		SAMPLE IDENTIFICATION		Email: john.faught1@tetratech.com; clair.gonzales@tetratech.com		Tatra Tach Inc	Eddy County, NM	Red Hills Phase 2 and 3	Western Midstream	Tetra Tech, Inc.
PM Received by Received by					4/19	YEAR:		@tetratech.com	Samp		Project #:		Site	
Received by: Received by: Received by:		からろいて	W100:21	11:45AM	123 11:	TIME	SAMPLING		Sampler Signature:		ct #:		Site Manager:	
				X		WATER SOIL	MATRIX		1		212C		John Faught	901 W Mid Tel Fax
Date: Time: Date: Time:		×	×	×		HCL HNO ₃ ICE	PRESERVATIVE METHOD				212C-MD-02853		ught	901 W Wall Street, Ste 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946
14033 0440				1 4	1	# CONTAINE	RS							
LAB USE ONLY Sample Temperature 19,7 c 19.1 c #113		_	_	$\overline{}$	×	BTEX 8021B TPH TX1005 TPH 8015M (PAH 8270C Total Metals A	BTE (Ext to GRO	DRO - ORC	Se Hg	D)		- (Cir		
					-	FCLP Metals / FCLP Volatile: FCLP Semi Vol RCI GC/MS Vol. 8	s olatiles 8260B /	624	Se Hg			Circle or Specify	2	
RKS: RUSH: Same Day 24 hr & hr	>	< >	< >	×	F	PCB's 8082 / NORM PLM (Asbesto Chloride SM 4	608 s)					Method	REQUEST	
ARP Report			+		(Chloride Su General Wate Anion/Cation	r Cher		ttache	d list)		No.)		

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

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 213638

CONDITIONS

Operator:	OGRID:
DELAWARE BASIN MIDSTREAM, LLC	314437
9950 Woodloch Forest Drive	Action Number:
The Woodlands, TX 77380	213638
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	By Condition	Condition Date
rhamle	We have received your closure report and final C-141 for Incident #NAPP2121527498 RED HILLS PHASE 3, thank you. This closure is approved.	9/21/2023